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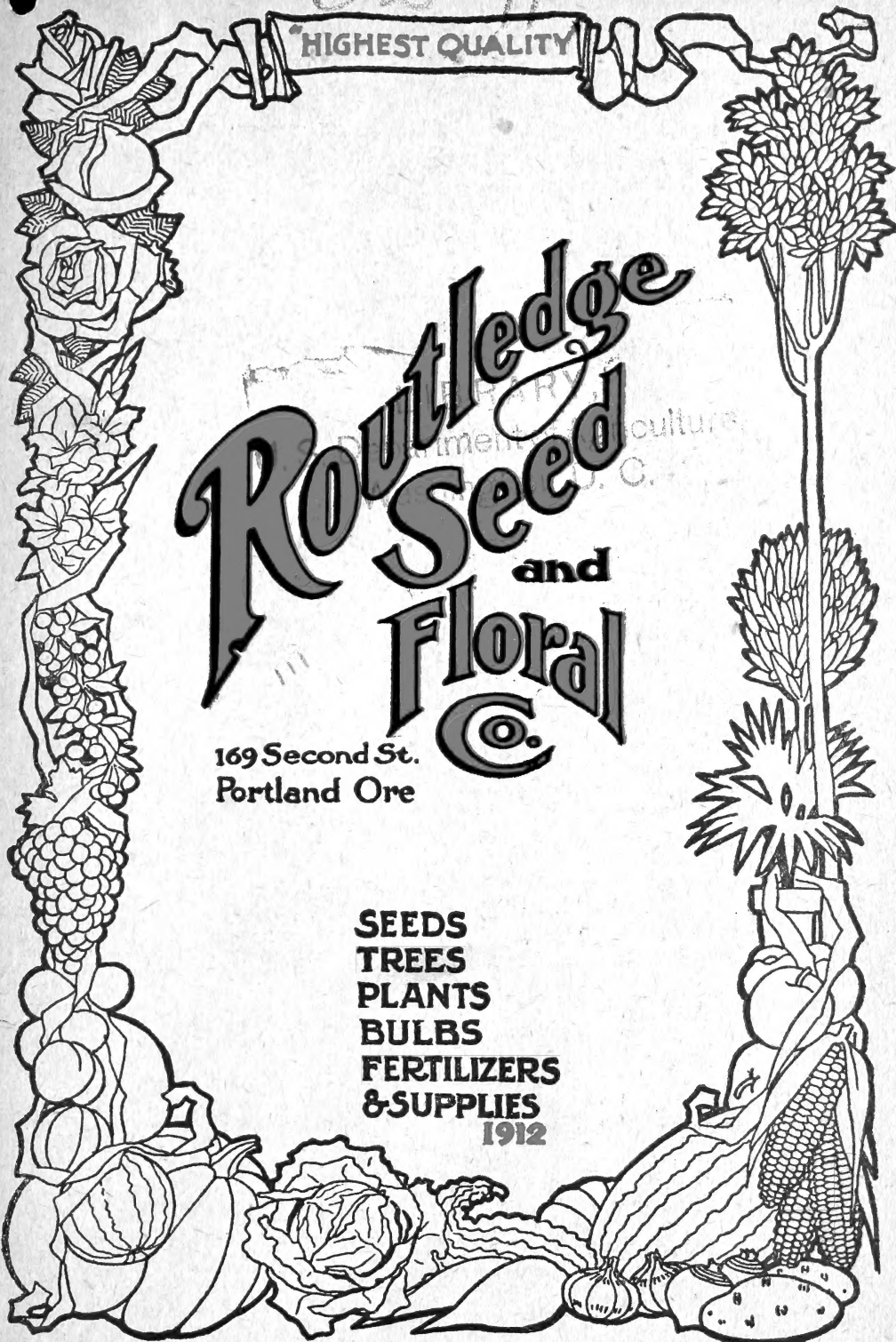
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62-71
HIGHEST QUALITY

Routledge Seed and Floral Co.

169 Second St.
Portland Ore

SEEDS
TREES
PLANTS
BULBS
FERTILIZERS
& SUPPLIES
1912



FREE PREMIUMS and something you want.

The following premiums are given only when cash accompanies each order at prices printed in this catalog.

Note.—Premiums NOT ALLOWED on Grass or Field Seeds, Fertilizers, Poultry Foods, Incubators or Brooders.

Instead of limiting you to certain seeds, or collection of seeds, as most companies do, and which does not always appeal to customers, we will be more liberal and allow you to make your own selection, which we believe will be more satisfactory. We offer as follows:

ON MAIL ORDERS AT POSTPAID PRICES

With every purchase of \$1.00 you are allowed, free, any 10c packet of vegetable or flower seed we list, or equal value in Gladiola or Dahlia Bulbs, Strawberry Plants or Mammoth Blackberries. Remember, 10c on each and every dollar, i. e., 20c on \$2.00; 30c on \$3.00, etc.

ON FREIGHT OR EXPRESS ORDERS AT BUYER'S EXPENSE

The above offer applies, or we give you equal value of vegetables or flower seeds in bulk, fruit or ornamental trees, shrubs, vines or rose bushes. (Annual vegetable and flowering plants excepted.)

NOTE.—THESE PREMIUMS MUST BE ASKED FOR AT TIME ORDER IS GIVEN, OTHERWISE THEY WILL NOT BE ALLOWED. WE RESERVE THE RIGHT TO CHANGE ANY SPECIAL VARIETY ASKED FOR, SHOULD WE BE SHORT OF STOCK.

IMPORTANT FOR YOUR GUIDANCE PLEASE READ

A reading of the following will prove an aid to you and to us.

EARLY ORDERS: Our rush season comes in the months of March and April. Orders sent at once secure prompt shipment from our full stocks.

HOW TO SEND MONEY: Remittances should be by Post Office or Express Money Order, Bank Draft or Registered Letter. Postage Stamps will be received for small amounts. Remittances in any other way are entirely at sender's risk.

USE ORDER SHEETS: The use of our order sheets, enclosed in this and every catalog, is a great help to us in facilitating filling and shipping orders. More will be sent on request.

HOW TO ORDER: Write your name, post office, state and express office plainly on every order, and every time you write to us, also ask your questions and write your letters on separate paper from your order which will help us and secure an earlier answer for you.

MISTAKES: These will happen occasionally, in spite of all care. Write us at once, with copy of original order, if possible, and mistakes will be promptly rectified.

REPORTS—GOOD OR BAD: Will you help us to attain greater success by writing and telling us how our Seeds, Plants and Trees reach you, how

they grow, and how you like them? We will certainly appreciate it. Your criticisms, if you have any, as well as your praises, are desired.

ORDERS ARE PROMPTLY FILLED: We acknowledge promptly receipt of all orders, so if you do not hear from an order sent us, within a reasonable time, write us, giving full information.

OUR TERMS: Are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method, customers should enclose a remittance of one-quarter of the amount with order.

SEEDS POSTPAID BY MAIL: We send all Vegetable and Flower Seeds, in quantities of one pound or less, by mail, postpaid, to any postoffice in the United States, at the prices named in this catalog, excepting Peas, Beans and Corn.

BY FREIGHT OR EXPRESS: In ordering seeds to be sent by freight or express at your expense, deduct 10c per pound from postpaid prices. **Note.**—Peas, Beans and Corn are not postpaid.

PREPAY STATIONS: When you send in orders to go by freight or express, be sure that you add money enough to pay freight charges if your station is a prepay, which is always the case where there is no regular agent.

LARGE ORDERS. Any dealer, market gardener, institution or individual wishing seeds, plants, trees or supplies in large quantities, is requested to mail us a list of what is wanted, and we will promptly return it with our very lowest prices. A letter of inquiry may save you dollars if you want to buy in quantity.

Note.—There are so many contingencies to be encountered in growing plants from seed and in setting out plants, trees, etc., that are dependent on the weather and other conditions over which we have no control that success is not altogether dependent on the seed or plant, therefore while we use every precaution in procuring fresh, pure and reliable seeds, etc., we, in common with other responsible seed houses, sell our goods subject to the following disclaimer, it being that adopted by the American Seed Trade Association, i. e.: We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, trees or plants sent out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.—Routledge Seed & Floral Co.

Price as Low
as Possible.

ROUTLEDGE SEED & FLORAL CO.

Card Made.....

Remember—Add postage for Peas, Beans and Corn if wanted by mail.

Greetings to Our Customers and Friends

Portland, Ore.,
Jan. 2nd, 1912.

As this is the only annual letter we write to many of our customers, we hope you will all read it, for we wish to sincerely thank all who sent us orders during the past season which enabled us to nearly double the total volume of our 1910 business.

We also heartily thank the many loyal customers and dear friends who never miss an opportunity of speaking a good word for our stocks and methods of doing business. We fully appreciate the many favors shown us during the past year and will continue to supply only "highest quality" stocks with promptness and the most courteous treatment.

Our Seeds, Nursery Stock and Supplies have real merit, and far far superior to those generally sold by wholesale houses and country stores. Really, there is a decided difference in quality. A trial will convince you.

We have the neatest, cleanest and most "Up-to-Date" Seed Store in the Northwest. We have enlarged and improved our store and have added many new lines of Supplies of special merit. Our motto is, and always will be: "Quality first, Price as low as we can make it."

Each department of our business is in charge of a practical, experienced and reliable man, who knows Western conditions and stocks that will succeed here. We are catering to the best class of buyers, those who appreciate "High Quality" service, etc. Our knowledge and experience is at your command always.

Trusting that you will again favor us with your valuable orders, we remain,

Yours, for Prettier Yards and More Productive Gardens,

SEED STORE, 169 Second St., near Morrison.

CITY TREE YARD, Cor. Fourth and Madison Sts.

Routledge Seed & Floral Co.

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Beautiful Ferns

A home, no matter how lavishly furnished, is not complete without decorative plants and palms.

The bold, majestic palms and delicate feathery foliage of the ferns, lend a grandeur and magnificence that cannot be obtained in any other way, and no decoration, whether in the conservatory, hall, parlor or dining room, is complete without them. We offer a choice collection that will succeed under the most ordinary conditions.



Asparagus Plumosus



New Style "Landscape" Fern Dish

Filled Fern Dishes

These are beautiful and very desirable for center pieces for the table or as ornamental plants on the side-board, piano or center tables. The ferns used for filling these dishes are described herewith and it requires from five to seven or eight plants, according to size of dish.

Beautiful plants in matt green dishes \$1.50 to \$2.00. (See Fern Dishes, page 97, for style.) In fancy fillers \$2.50 to \$5.00. Style shown above \$3.50.

NOTE.—Must go by express; cannot be mailed.



Ostrich Plume Fern

BOSTON FERN.—One of the most beautiful and useful of house plants. It is of easy culture, and its sword-like fronds, in large specimens, attain a length of 3 to 4 feet, produced in a bewildering mass, arching, curving and interlacing in every conceivable direction. Small plants 20c to 35c, postpaid; specimen plants \$1.50 to \$2.50 each.

OSTRICH PLUME.—One of the most wonderful and beautiful plant introductions of the present age. This new sort is a sport from the well-known Boston Fern, the habit of growth being the same, but with the pinnae being divided, as are the fronds. A matured plant has a beautiful, feathery appearance, and we think is one of the grandest of decorative house plants. Small plants 20c to 35c, postpaid; specimen plants \$2.00 to \$3.50 each.

ASPARAGUS PLUMOSUS (Climbing Lace Fern).—A finer and more delicate plant than the Sprenger, but hardy and easily grown. Very satisfactory for window and house culture. An extremely graceful window climber, bright green, feathery foliage, as fine as the finest silk or lace. The fronds retain their freshness for weeks when cut, and are greatly admired for floral decoration. Small plants 20c to 35c, postpaid; specimen plants 75c to \$1.00.

ADIANTUM CUNEATUM (Maiden Hair Fern).—A very beautiful and graceful fern; postpaid 20c.

ASPIDIUM TSUSSIMENSE.—Without question the most valuable of all ferns yet introduced for fern dishes; of strong but dwarf and graceful habit; postpaid 20c.

CRYTOMIUM FALCATUM (The Holly-Leaved Fern).—One of the most desirable; postpaid 20c.

PTERIS ARGYREA (Silver Fern).—A very shown Fern, with variegated foliage; postpaid 20c.

PTERIS WILSONI.—A very pretty and useful fern; green leaves with the ends very peculiarly crested; beautiful sort for fern dishes; postpaid 20c.

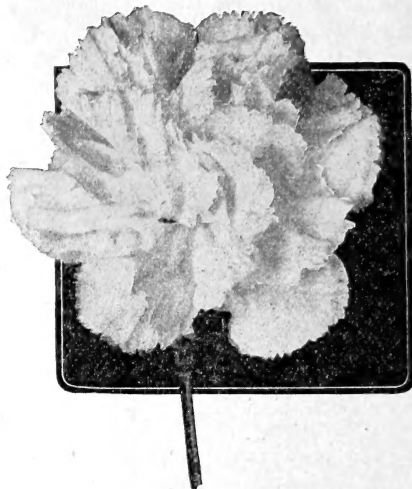
SPECIAL.—Your choice of any of the above ferns 20c each; 3 for 50c; the full collection only \$1.50 postpaid.

Specimen Plants—THESE ARE LARGE, CHOICE, WELL-SHAPED PLANTS, IN 4 TO 6-INCH POTS, AND ARE VERY BEAUTIFUL. THEY GO BY EXPRESS AT BUYER'S EXPENSE.

Twelve Fine Everblooming Carnations

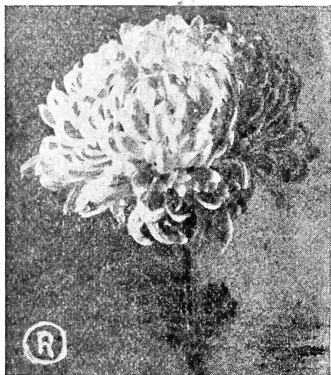
Price, 15c each, 12 for \$1.25, postpaid.

- Beacon.**—A bright, deep scarlet; soft, yet brilliant.
- Enchantress.**—Flowers extra large, on long stems. The color is a superb shade of flesh pink.
- Lady Bountiful.**—Color pearly white; very large; delicately fringed.
- Mrs. Thomas W. Lawson.**—Simply superb, both in form and color; brilliant dark pink; of immense size.
- President Roosevelt.**—Magnificent, bright, rich crimson; large, perfectly double flowers, deeply fringed.
- Rose Enchantress.**—Large, rose pink flowers, exquisitely fragrant.
- Victory.**—Color richest shade of intense scarlet ever seen in a carnation; flowers massive.
- Viola Allen.**—Ground color of flower creamy white; very beautiful, penciled with light pink.
- White Enchantress.**—A beautiful white sport from the famous pink Enchantress.
- Winona.**—Rich bright pink of glistening texture, superb free flowering sort.
- White Perfection.**—The grandest white and the most prolific bloomer of the Carnation family.
- Winsor.**—The handsomest of all pink carnations; perfect in shape; extra large.



Superb New Japanese Chrysanthemums

Price, 15c each; sets of 10 sorts, \$1.00 postpaid.



President Taft

- American Beauty.**—Pearly pink, brighter in the depths; very early; large size and splendid.
- Director Gerard.**—Rich tawny yellow and golden bronze; very large reflexed petals.
- Gloria.**—Extra early, of large size and fine form; color a pleasing shade of lavender pink.
- Golden Eagle.**—Deep, bright, golden yellow, with lovely twisted petals.
- Indiana.**—Light yellow, petals broad, opening in a whirl.
- Moneymaker.**—Beautiful, recurved, white with interlacing petals, outer ones reflexed closely around the stem, inner ones building up full to the center, forming a plummy globe.
- Mrs. W. H. Buckbee.**—White, very large bold incurved flower, lower petals drooping.

- Matchless.**—Largest and most beautiful dark crimson scarlet yet raised.
- Phenomenal.**—Very large creamy white flower, touched with shades of pearl and yellow.
- President Taft.**—One of the grandest new varieties; color a pure snow white.

Select Geraniums

New Double Geraniums, 10c each, 6 for 50c, postpaid.

- Francis Perkins.**—The grandest bright pink bedding variety to date.
- John Doyle.**—Very large, double bright, velvety scarlet.
- La Favorite.**—Trusses very large; flowers pure snow-white.
- Mme. Jaulin.**—A truss of grand size, composed of very large florets, the centers of which are delicate pink, bordered with pure white.
- S. A. Nutt.**—The best of the rich, dark crimson varieties.
- Thos. Meehan.**—Rich rose color, upper petals marked with orange; rare.

New Single Geraniums, 10c each, 6 for 50c, postpaid.

- Gertrude Pearson.**—Pure rose-pink, with conspicuous white blotch on two upper petals; flower beautifully formed, and the largest of its color.
- Leon Perrault.**—Flowers of the most vivid scarlet, with white eye.
- Jacquerie.**—Rich, vivid crimson; one of the best for bedding.
- Mrs. J. M. Garr.**—A grand single white; plants a mass of white bloom.
- Mrs. A. Blanc.**—Silver salmon, shaded peach; glistening texture.
- Sam Sloan.**—Rich purple crimson variety. One of our finest varieties.



Single Geranium

We make a specialty of Giant Crego Aster Plants, 40c dozen, postpaid. See page 39 for full description of this grand Aster.

Flowering Begonias

10c each, 6 for 50c, postpaid.

Argentea Guttata.—Handsome erect growing sort, with pointed wine-colored leaves with silvery white spots. Clusters of pure white flowers.

Cuprea.—A fine, erect Begonia, with dark, rough leaves; the panicles of unopened flowers are bright red, with surface like push.

Fairy Queen.—Flowers white in the center, shading to shell pink, enlivened with clusters of yellow anthers.

Foliosa.—The freest-flowering Begonia we have. Makes a handsome window plant, with its glossy green leaves and bright pink flowers.

Gracilis Luminosa.—Exceptionally sturdy and vigorous and one of the choicest. Bright scarlet flowers cover the plant from the ground up.

Marguerite.—Bronzy green, with purple cast; large trusses of cream and rose-colored flowers.

Rex Begonias

Grown for the beauty of their foliage. The most ornamental of window plants. We offer the most distinct and handsomely marked varieties.

Price, choice plants, 25c each, postpaid



Begonia

Six Choice Fuchsias

Price, 10c each; set of 6 sorts, 50c.

Annie Earle.—Tube and sepals waxy white; corolla single, clear carmine; plant splendid and free blooming.

Dr. Brooks.—Rich, dark blue corolla, with crimson petals. A beautiful variety; never out of bloom.

General Roberts.—Flowers very large, corolla plum color, tube and sepals crimson; one of the finest varieties.

Jupiter.—This is a grand mammoth double flowered Fuchsia; flowers of enormous size, very large, rich violet corolla; tube and sepals bright crimson.

Trailing Queen.—Of a drooping or trailing habit, a fine plant for hanging baskets, vases, etc.; tubes and sepals rosy scarlet; corolla violet purple.

White Giant.—Superb double white variety; tube and sepals bright scarlet; corolla large, double and waxy white.



Fuchsias

Nampa, Idaho, June 5, 1911.

Routledge Seed & Floral Co.

Gentlemen: I beg to acknowledge your favor of the 2d instant with bills enclosed.

I herewith enclose my check for \$24.00, the amount of your bill against me and the hotel. The Geraniums were so nice that I decided to keep them all, and I certainly appreciate your kindness in this matter.

If you issue a catalog I should be very glad, indeed, to have you send me one.

Yours very truly,

E. H. DEWEY.

Four Grand New Heliotropes

Price, 15c each; set of 4 sorts, 50c.

Albatross.—Elegant dwarf bushy growing, new variety of great merit, large panicles of pure white flowers in great profusion all season; the best white variety to date.

Heavenly Blue.—Large, close panicles of exquisite light blue flowers, with white eye. Grows vigorously and flowers abundantly; very fine for bedding out, for which purpose we offer it at \$1.00 per dozen.

Lavender Queen.—Enormous florets, very large trusses of bloom; color a beautiful shade of lavender, suffused with rosy mauve. A dwarf, robust grower and very free and continuous bloomer.

Royal Purple.—Very large and fragrant color, deep violet purple, with white eye very floriferous, and cannot be too highly recommended for bedding out, for which purpose we offer it at \$1.00 per dozen.

Giant Pansies

These are grown by a pansy specialist and are "really grand." The flowers are mammoth in size and of the most rare and pleasing colors. Each plant is wrapped separately; packed 12 in a basket.

Price per basket, in full bloom, 75c.

They are worth every cent of it. We sell hundreds of baskets of these each year. On account of the large flowers they cannot be mailed.

By express only; you pay charges.

ANNUAL BEDDING PLANTS

During the months of April and May we have thousands of the following hardy bedding plants; price per dozen by express at buyer's expense; Ageratum, 50c; Alyssum, 60c; Asters, 30c to 40c; Candytuft, 50c; Carnations, 75c; Chrysanthemums, 75c; Cosmos, 50c; Cobea Scandens, \$1.50; Daisies, \$1.00; Dusty Miller, 75c; Geraniums, \$1.00 to \$2.50; Heliotrope, 60c to 75c; Lobelia, 40c to 50c; Marigold, 60c; Mignonette, 75c; Petunia, 50c to \$1.50; Pansies, 40c to 75c; Phlox, 60c; Salvia, 60c to \$1.50; Stocks, 60c; Verbena, 50c to 75c.

For description of these flowers see Flower Seed Department. If wanted by mail, add 25c per dozen for postage; but we suggest express shipment, for we can send larger plants.

We offer you "Highest Quality" transplanted plants, mostly from 2 to 4-in. pots, that are grown right. You will be more than pleased with our stock. Write for quantity prices.

PALMS AND DECORATIVE PLANTS

Every one knows how beautiful palms and decorative plants are, and how much they improve the parlor, hall or dining room. We offer only the best and most desirable kinds, and of the easiest culture, although we can supply many rare and tender specimens if wanted.

ARAUCARIA EXCELSA (Norfolk Island Pine).—This beautiful plant resembles the pine somewhat in appearance, though much finer in texture; it is particularly adapted to parlor table decoration. It is most unique in appearance, the branches being arranged in neat, symmetrical whorls. They do not require much sun, and are hardy and easily cared for. (See cut.)
Choice plants, 12 to 15 in. \$1.50 to \$2.00; 18 to 24 in. \$2.50 to \$4.00.

RUBBER PLANT (*Ficus Elastica*).—This is certainly one of the best plants grown for decorative purposes. It succeeds well with ordinary treatment. Its glossy, thick, dark-green leaves are not affected by dust or gas. The large, dark-green foliage and erect form are much admired.
Choice Plants, 12 to 15 in. 75c; 18 to 24 in. \$2.00 to \$2.50. Specimen plants \$5.00 to \$7.50.

DRACAENA INDIVISA (The Fountain Plant).—This plant is unsurpassed for hardiness in the house and eminently fitted to contrast with palms and other decorative plants.

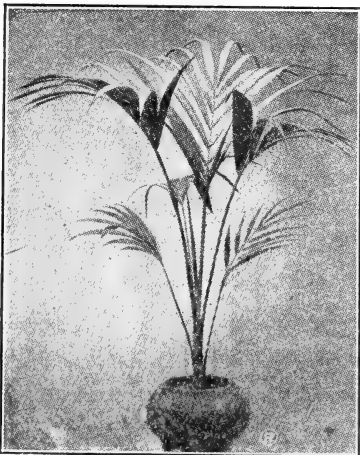
Nice plants 12 to 15 in. 60c to \$1.00; 18 to 24 in. \$1.50 to \$2.50

COCOS WEDDELLIANA.—The most elegant and graceful of all the smaller Palms. Its slender, erect stem is freely furnished with its graceful arching leaves of rich green color.

Choice plants, 12 to 15 in. 75c to \$1.00; 18 to 24 in. \$2.50 to \$5.00

KENTIA.—A beautiful, graceful, handsome-looking, strong-growing Palm, with deep green, crisp foliage; inclined to dwarf and spreading habit. One of the most popular for house culture, as they are very hardy, and stand the dry atmosphere. If we could have but one Palm, it would be a Kentia. (See cut.)

Small plants, 75c to \$1.00; large plants, 18 in. and up, \$2.00 to \$5.00 and up. Specimen plants \$6.00 to \$25.00.



Kentia Palm



Aspidistra



Araucaria Excelsa

HARDY PALMS

We import these from Japan, and they are very hardy and stand gas, dust and hard usage better than most plants; very desirable for restaurants, hotels or porch and veranda use.

ASPIDISTRA.—Stately decorative house plant of rapid and hardy growth. The leaves grow quickly from the ground to a height of 18 inches or more. We have both green and variegated, green and white. Stands ill-treatment better than any other plant we know of.
Green or Variegated Leaves, fine specimens, \$1.50 to \$3.00 each

RHAPIS HUMILIS.—Rare ornamental Palm, with slender, gracefully divided leaves; very handsome and attractive; an excellent decorative variety, requiring very little sun.

6 to 10-shoot plants \$2.50 to \$5.00

BAY TREES.

BAY TREES (*Laurus Nobilis*).—Imported from Belgium. For the hotel courts, lobbies, hall, veranda and entrances to gardens or courts these beautiful evergreens are most desirable. They are very hardy, standing all kinds of weather except severe freezing. For convenience in handling they are sold in plant tubs (about 15 inches). Price of Bay Trees depends on size of the heads which are generally trimmed in ball shape; slightly flattened.

Fine Specimens \$15.00 to \$20.00 each; \$25.00 to \$35.00 per pair; write for prices of stock on hand, when wanted.

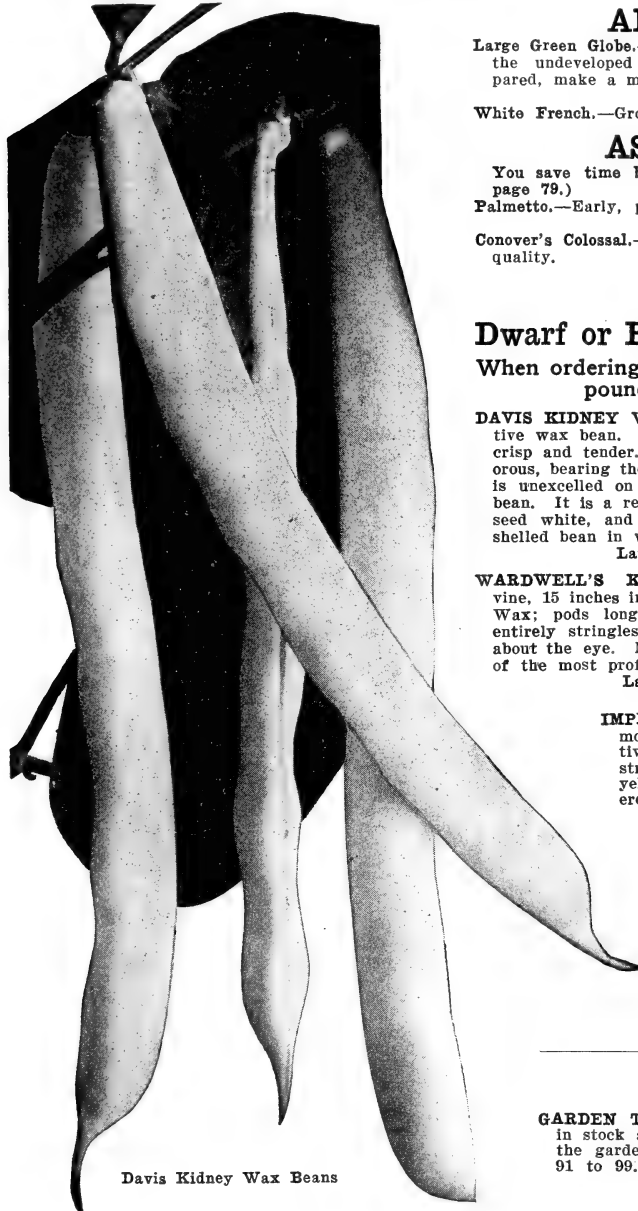
Ferndale, Wash.

Dear Sir. I got the Dahlia Bulbs in fine shape, and was much surprised to have them sent so quick and such large bulbs, too. I never got before. I have sent to different firms before this, but always got small, dried-up tubers and would have a time trying to make them grow. Well, I thank you very much for your kind and prompt attention to my little order. I shall not forget it, and so I send you another.

MRS. GEO. BOONE.

ROUTLEDGE SEED & FLORAL CO'S Highest Quality VEGETABLE SEEDS

We catalog only the very best varieties of both the newer and the older strains, those that are especially adapted to the peculiar conditions on the Pacific Coast. We have indicated by using larger, heavy-faced type the varieties that are the very best of their class. They are the varieties recommended by us.



Davis Kidney Wax Beans

ARTICHOKE

Large Green Globe.—The well-known French vegetable; the undeveloped flower-heads, when properly prepared, make a most delicious dish.

Pkt. 10c; oz. 35c; 4-oz. \$1.00

White French.—Grown for stock. See page 34.

ASPARAGUS

You save time by planting **Asparagus Roots**. (See page 79.)

Palmetto.—Early, prolific and uniformly large.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 85c

Conover's Colossal.—A good, standard sort of approved quality.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

BEANS

Dwarf or Bush—Yellow Podded

When ordering Beans by mail, add 10c per pound to cover postage

DAVIS KIDNEY WAX.—The most hardy and productive wax bean. The pods are long, white, straight, crisp and tender. The vine is rustless and very vigorous, bearing the pods in clusters. For canning this is unexcelled on account of purity of the pod and bean. It is a remarkably good variety for shipping; seed white, and on this account is desirable for a shelled bean in winter.

Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50

WARDWELL'S KIDNEY WAX.—A strong-growing vine, 15 inches in height. A little later than Golden Wax; pods long, broad, golden-yellow, brittle and entirely stringless; seed white, with dark markings about the eye. Market gardeners find this bean one of the most profitable.

Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50

IMPROVED GOLDEN WAX.—One of the most popular garden varieties in cultivation. Pods are long, nearly straight, broad and flat, and golden yellow; seed white, more or less covered with two shades of purplish red.

Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50

PROLIFIC BLACK WAX.—An improvement on the old Black Wax or Butter Bean. Very vigorous and prolific; pods fairly long, golden-yellow, very brittle, and stringless; seed black.

Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50

GARDEN TOOLS AND SUPPLIES.—We carry in stock all up-to-date tools and supplies for the gardener. See what we offer on pages 91 to 99.

Market gardeners who buy Beans or any other Seeds in quantity should write for prices, stating kind and quality wanted. Our Seeds are "Highest Quality."

BEANS—Continued

Dwarf or Bush—Green Podded Kinds

If ordering by mail, add 10c per pound for postage

BURPEE'S STRINGLESS GREEN POD.—One of the earliest and best of the stringless varieties. Pods very large, thick and straight. A fine, vigorous grower and very productive. Unsurpassed for the home garden in earliness and superior quality. **Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50**

DWARF HORTICULTURAL.—One of the best varieties for shell beans. Pods very handsome, being yellowish and thickly splashed with bright crimson. Very productive. **Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50**

Long Yellow Six Weeks.—A very productive, extra early variety with long, straight, thick pods. **Large Pkt. 10c; lb. 15c; 10 lbs. \$1.25**

Earliest Red Valentine.—One of the earliest. Erect growing vines, with coarse dark green leaves. Round pods, crisp and tender and of medium length. A fine snap bean. **Large Pkt. 10c; lb. 15c; 10 lbs. \$1.25**

Extra Early Refuge.—About two weeks earlier than Refuge, and possesses the same good qualities. **Large Pkt. 10c; lb. 15c; 10 lbs. \$1.25**

Broad Windsor.—The largest and best of this class. Broad, flat beans of delicious flavor. **Large Pkt. 10c; lb. 15c; 10 lbs. \$1.25**

LADY WASHINGTON (For Dry Beans).—Sturdy, bushy plant, erect habit. A great improvement over the old "Navy," being much earlier, a little larger, and a very heavy yielder, especially adapted to our western soils, and is entirely free from disease. The pods all ripen together and early enough to harvest before winter rains. **Pkt. 10c; lb. 15c; 10 lbs. 85c**

Castor Bean.—Used for medicinal purposes and by some claimed to keep moles away. **Pkt. 10c; lb. 25c**

Climbing or Pole Beans

IMPROVED KENTUCKY WONDER (ASPARAGUS).—A very popular variety; often sold as asparagus. By far the best green podded pole variety. Pods green, very long, round, and perfectly stringless. Enormously productive and earliest. Unsurpassed for the table, being very tender and of delicious flavor. **Large Pkt. 10c; lb. 20c; 10 lbs. \$1.35**

WORCESTER POLE.—The finest Pole Shell Bean in cultivation, and on account of its wonderful productiveness and superior quality takes first rank as a Pole Shell Bean. The strain we offer is an especially fine one. The long, thick pods are brilliantly colored with crimson carmine, and are borne in clusters. Unequaled for tenderness and delicious flavor. **Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50**

EARLY GOLDEN CLUSTER WAX.—A very popular, early and fine variety; pods six to eight inches long, wide and flat, borne in clusters, each containing from three to six pods, which are golden yellow. The pods are of fine quality and remain in condition to use for a long time; seed flat and dull white. **Large Pkt. 15c; lb. 25c; 10 lbs. \$2.00**

Dutch Case Knife.—Fine for shell or string; early, very productive and of fine flavor; long, flat, green pods, turning white; beans broad, flat and kidney-shaped. **Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50**

Scarlet Runner.—Grown extensively for ornamental purposes, as flowers are a most brilliant scarlet and borne profusely; beans are broad and flat, and of fine flavor when cooked. **Large Pkt. 10c; lb. 25c**

Indian Chief (Pole Black Wax).—White, fleshy pods, not very long, and excellent as snap beans; very tender and perfectly stringless. The best of the Pole Butter Beans. **Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50**

Pole Lima Beans

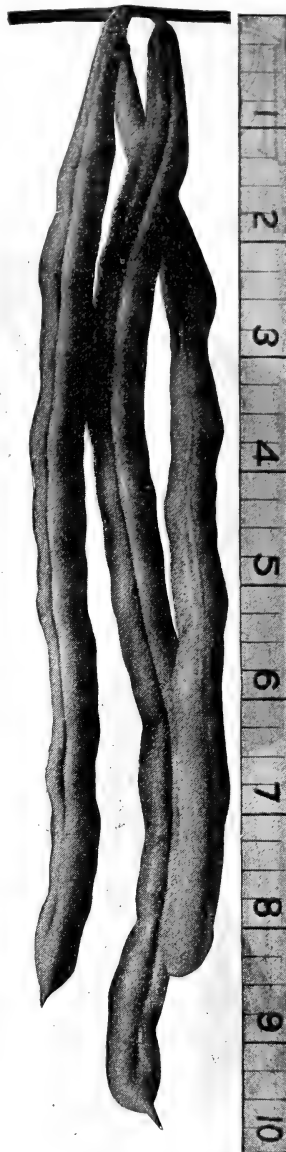
King of the Garden Lima.—The largest podded variety and very productive; vines very vigorous, often producing pods six to seven inches long, containing five or six large beans; of fine flavor. **Large Pkt. 10c; lb. 20c; 10 lbs. \$1.50**

EARLY LEVIATHAN.—One of the newer varieties and the very best pole variety in cultivation; vine very tall and strong; pods long and borne in clusters; beans large and white; is early, strong-growing and prolific. **Large Pkt. 10c; lb. 20c; 10 lbs. \$1.75**

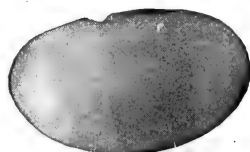
Dwarf or Bush Lima

Burpee's Bush Lima.—The best late dwarf variety; plant 18 to 24 inches high; very prolific; pods large, and the beans also large and heavily ribbed; will bear until stopped by frost. **Large Pkt. 10c; lb. 25c; 10 lbs. \$1.75**

HENDERSON'S BUSH LIMA.—Fully two weeks earlier than any other variety. Plant about 16 inches high, and very prolific; beans are small; especially recommended where the season is short. **Pkt. 10c; lb. 20c; 10 lbs. \$1.75**



Kentucky Wonder



Lima Bean
(Shelled)

Free Premiums
See inside front cover

Market and Truck Gardeners should write us for special prices and state quantity and kinds wanted. We'll save you money and you will get quality.

BEETS FOR TABLE

1911 crop Beet Seed almost a total failure. Good Seed very scarce and much higher this season.

ROUTLEDGE FAVORITE

In this beet we offer our customers a decided novelty. It is as early as Eclipse, perfectly globe shaped, with a single tap root, and of the richest color of any of the beets. It is a splendid keeper, is not excelled in yielding qualities by any other sort, is exceedingly tender, fine and sweet and is unequalled for table use. Market gardeners will find our Favorite a very profitable variety to grow, as no other sort approaches it in attractiveness or quality.

Pkt. 10c; oz. 20c; 4-oz. 60c; lb. \$2.00

CROSBY'S EGYPTIAN.—The finest and truest strain of Crosby Egyptian to be had. This variety is probably sown more than any other for an early Beet, as it reaches the desired size in much shorter time. The beets are of good size, rather flat than round, and flesh dark. Also used for forcing in hot-beds.

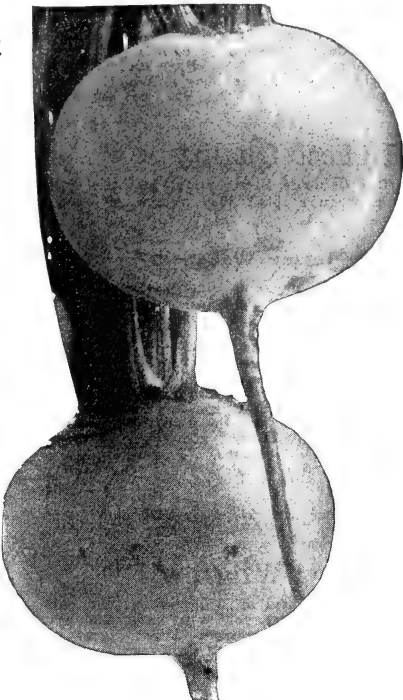
Pkt. 5c; oz. 15c; 4-oz. 50c; lb. \$1.75

EDMAND'S BLOOD TURNIP.—Unsurpassed for late planting; deep blood-red flesh, very tender and juicy; runs very evenly in size and quite round; grows a small top; leaves dark red with dark midrib.

Pkt. 5c; oz. 15c; 4-oz. 50c; lb. \$1.50

IMPROVED EARLY BLOOD TURNIP.—An extra selected stock of blood turnips, having larger, coarser tops and roots than the Detroit Dark Red, and requiring a considerably longer time to mature; excellent for summer and autumn use.

Pkt. 5c; oz. 15c; 4-oz. 50c; lb. \$1.50



Free Premiums. See
inside front cover

Routledge Favorite Beet

Detroit Dark Red.—Nearly globular, with smooth, dark skin and dark flesh, zoned lighter; a fine beet for late planting, maturing early and keeping crisp and tender for a long time.

Pkt. 5c; oz. 15c; 4-oz. 50c; lb. \$1.75

Long Blood.—One of the very best for winter use; does not become woody and keeps well. The root is smooth and handsome, and the flesh as brilliant in color and good in quality as the best Blood Turnip varieties.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

Half Long Blood.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

Swiss Chard (Sea Kale).—Cultivated largely for its broad leaf stalks, which are treated the same as asparagus. The young leaves are often used the same as spinach.

Pkt. 5c; oz. 15c; 4-oz. 50c

STOCK BEETS

Mangels and Sugar Beets

Price of all the following varieties: Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 50c, postpaid; 10 lbs. and upwards (purchaser paying transit), 35c per lb.

GIANT HALF SUGAR MANGEL.—A new variety, very much more valuable for feeding purposes than the old sorts, it being very much richer and yields as much per acre as the best Mangels, and twice as much per acre (bulk of roots) as the rich sugar beet. Roots large, very smooth, with few rootlets; creamy white in color, with medium-sized top.

Mammoth Long Red.—A large and heavy cropper. Dark red skin, with whitish flesh; grows one-half or more above the surface; roots quite regular.

Golden Tankard.—An enormous yielder of weight per acre, and at the same time very nutritious; flesh deep yellow; of fine shape, growing largely above soil, thus being easily harvested.

Yellow Giant Intermediate.—Roots very large, growing over one-half out of the ground; flesh white, sweet and tender; an enormous cropper.

French White Sugar.—The sugar beet most generally grown, as it combines, with heavy yield, from 10 to 13 per cent of sugar.

Klein Wanleben.—This is the variety which is considered best in Germany for producing sugar, and is now taking the lead in this country for this purpose.



Giant Half Sugar Mangel

1911 crops Beet Seed very short, prices higher.

SCOTCH COLLIES

THE MOST DESIRABLE AND FASHIONABLE CANINE COMPANIONS. BUY ONE OF OUR HIGH-BRED PUPPIES. SEE LAST PAGE.

BROCCOLI

One ounce will produce about 2000 plants.
White Cape.—Resembles cauliflower; very white and sure to head. Pkt. 10c; oz. 40c; 4-oz. \$1.25
Purple Cape.—Large heads, which are tinged with purple. Pkt. 5c; oz. 35c; 4-oz. \$1.00

BRUSSELS SPROUTS

One ounce sufficient for a seed bed 6 feet square or two sashes. Will produce about 2000 plants.
Aigburth.—The finest variety of all the Brussels Sprouts; very large and of superior quality. Pkt. 5c; oz. 20c; 4-oz. 50c

Highest Quality**CABBAGE****True and Pure**

Our Cabbage Seeds come from the world's best growers—pure, true strains, of highest quality. One ounce will produce about 2000 plants. One-quarter pound of seed will produce plants sufficient for one acre.

Early Jersey Wakefield

The earliest and hardest heading of first early cabbages. Most gardeners depend upon it for the bulk of their extra early crop. Its exceeding hardness not only to resist cold but other unfavorable conditions, insures the greatest likelihood of profitable and satisfactory results. Our stock is grown and selected with the greatest care; there is none better and there are few as good. Head conical, very compact, solid and of excellent quality. The thick, stout leaves and compact habit of the variety make it the best sort for very early setting.

Pkt. 10c; oz. 35c; 4-oz. \$1.00; lb. \$3.50

"Wilgrow"

Use a spoonful of Wilgrow to each cabbage plant, and you will have the best cabbage you ever raised. It's the greatest fertilizer ever prepared for vegetable and flower gardens. Only 25c a package. See page 91.



Early Jersey Wakefield

EARLY YORK.—A small, early conical heading cabbage. Has been very popular, but we prefer Jersey Wakefield. Pkt. 5c; oz. 20c; 4-oz. 75c; lb. \$2.50

EARLY WINNIGSTADT.—One of the best for general use, being very hardy and sure to head. Owing to its compact and upright habit of growth and peculiar texture of short thick leaf, the variety seems to suffer less from the cabbage worm than most other sorts. Head regular, conical, very hard and keeps well both summer and winter. It is the hardest, not only as regards frost, but will suffer less from excessive wet, drought, insects or disease than any other second early sort.

Pkt. 5c; oz. 25c; 4-oz. 75c; lb. \$2.25

EARLY DWARF FLAT DUTCH.—A most valuable second early sort. The plant is short stemmed, upright and having comparatively few and short leaves, the rows can be set close together. Head large, oval or nearly round, solid, crisp and tender, maturing with early summer. Every plant will form a hard head fit for market and will mature much earlier than the Late Flat Dutch or other sorts usually grown for market and shipping.

Pkt. 5c; oz. 25c; 4-oz. 65c; lb. \$2.25

Early Spring

Our strain of this variety is from extra selected stock, and we believe it to be unequalled by any other. It is the first early round-head cabbage, maturing about the same time as Jersey Wakefield. One of its chief claims to superiority is the remarkable uniformity of the heads. They are also very solid, even when young, and with very small outside leaves.

Pkt. 5c; oz. 25c; 4-oz. 75c; lb. \$2.50

Market Gardeners

We want your trade. We make special prices for quantity. Send complete list of what you need.

RAWSON'S PERFECTION.—A new strain for a main crop cabbage of very superior quality. It is as near to perfection as it can possibly be. Its marvelous uniformity of size, its perfection of form, its solidity of head and its excellence of flavor at once proclaim it as a variety of the highest possible merit.

Pkt. 10c; oz. 30c; 4-oz. \$1.00; lb. \$3.00



Early Spring

CABBAGE PLANTS.—During planting season we aim to have on hand large quantities of Cabbage and Vegetable Plants. See page 79.

Danish Ball Head or Hollander

GENUINE DANISH GROWN STOCK

Most remarkable late cabbage yet produced, heads hard and solid—fine grained and tender. Entirely distinct. Exceedingly hardy in resisting cold and dry weather. We offer true, pure seed of the very finest short stemmed type.

Famous for its hard-heading qualities, which at once recommends it as highly valuable for shipping. The magnificent heads are round in form and keep in excellent condition during winter, coming out in the spring perfectly solid.

Pkt. 10c; oz. 30c; 4-oz. \$1; lb. \$3.50



Danish Ball Head or Hollander

PERFECTION DRUMHEAD SAVOY.—

A variety that is much prized in Europe, and also by those who are familiar with it in this country. It is very sweet and crisp, and always tender. Heads medium size and fairly compact.

Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.25



Premium Late Flat Dutch

PREMIUM LATE FLAT DUTCH

—A low-growing variety; heads large, bluish green; round, solid, broad and flat on top; an excellent fall and winter variety, and a good keeper. It is a sure header. Our stock has been grown from carefully selected heads, and we consider it superior to any other strain of Flat Dutch Cabbage on the market.

Pkt. 5c; oz. 20c; 4-oz. 65c; lb. \$2.25

Bug Death

Kills all leaf-eating insects; excellent for using on cabbage. Can be used either dry or in water. Per lb. 15c
See Sprays, page 95.

MAMMOTH ROCK BED.—Best hard-headed, red variety; large heads, globular, and very deep red on top; outer leaves greenish; especially used for pickling.
Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.25

**FOR WEEDERS,
TROWELS, ETC.**
See Garden Tools,
page 96



Routledge's "Highest Quality" Seeds cost more and are worth more.

"... seeds are, after all, the least expensive article in making the garden. Always buy the best seed that the trade offers and grow vegetables of merit. Low-priced seeds, as sold by wholesale, jobbing seed houses and country stores, will give low quality crops.

DO YOU SEND EAST

for your seeds? It's bad policy. Spend your money on this Coast. Here's where you sell your products. Our Seeds are highest quality.

"Highest Quality"**CAULIFLOWER****Plants in Season****Routledge's "Snow White"**

In competition with all other strains, this Cauliflower has won the approval of critical gardeners, being the earliest and best sort grown. It is suitable not only for early use, but is superior for late planting. The heads are hard and solid, and do not spread as do some of the inferior sorts. No other equals it in purity of color, being clear snow white. It is equally desirable for family use and for the market garden. The heads are large—from 9 to 12 inches in diameter. On account of its close growing, compact habit, many more plants may be grown on a given area than of the late spreading sorts.

Pkt. 25c; ¼-oz. \$1.00; ½-oz. \$1.75; oz. \$3.00

EARLY SNOWBALL

This variety is much in demand by market gardeners for main crop. Its earliness, compact habit, large-sized heads and snow-white color recommend it to every grower as a variety of especial merit. We have an extra selected stock of this sort, and recommend it with the greatest confidence.

Pkt. 20c; ¼-oz. \$1.00; ½-oz. \$1.50; oz. \$2.50

NEW CALIFORNIA WONDER.—A late variety, forming good, large, solid heads during the winter. This variety has given great satisfaction in Oregon and California, wherever tried.

Pkt. 10c; ¼-oz. 25c; oz. 75c; ¼-lb. \$2.25



Routledge Snow White

VEITCH'S AUTUMN GIANT.—A large, late variety, very hardy. The heads are well protected by the foliage, enabling it to resist unfavorable climatic conditions. Pkt. 5c; ¼-oz. 15c; oz. 60c; 4-oz. \$1.75

ALGIERS.—A very popular late variety, with large heads. Pkt. 10c; ½-oz. 50c; oz. 75c; 4-oz. \$2.25



Chantenay

LARGE WHITE BELGIAN.—Extensively grown for stock feeding; roots pure white, green above ground and growing to a large size; flesh rather coarse.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

IMPROVED SHORT WHITE.—Ranks first as a field carrot, owing to its enormous productiveness and the ease with which it can be harvested; roots half long, smooth, very heavy at the shoulder, but tapering regularly to the point; color light green at the crown, white below; flesh rich, white, solid, crisp and of excellent flavor.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

CARROT

EARLY SCARLET HORN.—An excellent variety for early forcing; grows with a small top; is very fine-grained, and of good flavor.

Pkt. 5c; oz. 20c; 4-oz. 65c; lb. \$2.25

FRENCH FORCING.—A very popular variety for forcing. The root is globe-shaped, with distinct tap root; color bright orange-scarlet.

Pkt. 5c; oz. 25c; 4-oz. 65c; lb. \$2.25

CHANTENAY.—The Market Gardener's Favorite.—Tops medium sized, necks small, roots tapering slightly, but uniformly stump-rooted and smooth; color deep orange-red; flesh very crisp and tender; medium early; a heavy cropper, and is undoubtedly the best for both the market and private garden.

Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.00

DANVERS HALF-LONG IMPROVED.—A great favorite; big cropper; the roots are smooth and handsome, medium size, tapering uniformly to a blunt point and of a rich, dark orange; fine for table or stock feeding.

Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.00

GUERANDE, OR OXHEART.—Bright orange, broad at the top and terminates abruptly in a small tap root. Length about 5 to 6 inches; very fine-grained and sweet. Excellent for shallow soils.

Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.00

LONG ORANGE IMPROVED.—The best of the long carrots, especially for stock; color bright orange, with long, tapering roots, requiring a deep soil. Our strain of this sort is extra fine.

Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.00

Routledge Mammoth for stock

The heaviest cropping carrot grown, yielding more tons to the acre than any other sort.

The flesh is yellowish-white, crisp and solid, and very sweet in flavor. It is a vast improvement on the Belgian sorts, which have been favorites in the past, as it is not only much more productive, but vastly easier to handle. The roots are short and very heavy at the shoulder, rendering them easily harvested. Too much can scarcely be said of their size and great productiveness. The roots frequently measure 15 to 20 inches in circumference, and 18 to 40 tons to the acre is not an extravagant statement as to yield. Large Pkt. 10c; 4-oz. 50c; lb. \$1.75; 2 lbs., enough for 1 acre, \$3.00.

CARROT SEED. The 1911 crop of Carrot Seed was almost a total failure and good new crop seed is very scarce and unusually high. Beware of low prices.

Pure Seed

CELERY

Pure Seed

NOTE.—We are offering only the **VERY BEST STRAINS** of Celery Seed. Low-priced Celery Seed is very disappointing and practically worthless. Don't buy it.

R. R.'S WHITE PLUME

Our Leading White Celery

A handsome, crisp sort, of very easy cultivation. Naturally its stalks and portions of inner leaves and heart are white, so that by closing the stalks either tying or by simply drawing the soil up against the plant and pressing it together, the work of blanching is completed without the troublesome process of "banking" or "earthing up." It is the earliest celery known.

Selected Pkt. 10c; oz. 40c; 4-oz. \$1.25; lb. \$4.00

PARIS, GOLDEN SELF-BLANCHING

The finest strain of French grown seed

This splendid variety is without doubt the most popular celery grown. It is a self-blanching sort, for with a little banking or covering, even the outer ribs assume a beautiful golden yellow, while the heart or vine stalks are deliciously tender, brittle and sweet. This variety is being very extensively grown both for market and private use, not only on account of its ease of cultivation, but for its superior quality. It is not quite so early as the White Plume, but is of heavier and more compact growth, the stalks being thick, crisp and brittle. The hearts are large and solid, blanching a beautiful waxy yellow. It is tender and sweet and free from stringiness. Its flavor is rich and delightful. Our Private Stock Seed is procured from a noted celery grower in France, and is very superior.

Select quality, Pkt. 15c; ½-oz. 50c; oz. 85c; 4-oz. \$3.00

Golden Yellow Self Blanching.—Same variety of celery as above, but is produced in California. It is of very fine quality, although we do not recommend it so highly as the French-grown seed.

Large Pkt. 10c; oz. 40c; 4-oz. \$1.50

Giant Pascal.—Excellent for fall or winter use, and has increased in popularity every year. A large, tall grower of the finest nut flavor, being free from any bitter taste. Very broad stalks, blanching very quickly with little banking up. an admirable keeper.

Pkt. 5c; oz. 20c; 4-oz. 65c; lb. \$2.25

Winter Queen.—One of the best winter varieties, and highly recommended. It is tall and forms a large bunch. The leaves are light green.

Pkt. 5c; oz. 20c; 4-oz. 65c; lb. \$2.25

SOUP CELERY for Flavoring.

4-oz. 10c; lb. 35c



White Plume.

CELERY PLANTS

From November 1st to following August we aim to have on hand large quantities of Vegetable Plants. (See Vegetable Plants, page 79.)

CABBAGE PLANTS

CHERVIL

One ounce sufficient for 100 feet of drill.

Curled.—An aromatic herb, resembling parsley, and used for flavoring in soups and salads.

Pkt. 5c; oz. 10c; 4-oz. 30c

CHICORY

One ounce is sufficient for a bed of 4 square yards.

Large-Rooted, or Coffee.—Leaves, when blanched, make an excellent salad.

Pkt. 5c; oz. 10c; 4-oz. 30c

CELERIAC

Turnip-Rooted Celery

Large, Smooth Prague.—An improved form, producing large, smooth roots, which are nearly round.

Pkt. 5c; oz. 20c; 4-oz. 60c

COLLARDS

True Georgia.—Used as "greens" mainly in the South and West. As the leaves are pulled off, others grow in their places. Pkt. 5c; oz. 15c; 4-oz. 30c

CRESS

Curled or Pepper Grass.—Used as a salad.

Pkt. 5c; oz. 10c; 4-oz. 25c

True Water.—This is quite distinct from the former and only thrives when its roots and stems are submerged in water. It is one of the most delicious of small salads.

Pkt. 5c; oz. 35c; 4-oz. \$1.00

CORN SALAD

Fetticus or Lamb's Lettuce

One ounce sufficient for bed 20 feet square.

Large-Leaved Fetticus.—Used as a salad.

Pkt. 5c; oz. 10c; 4-oz. 30c; lb. 75c

Our prices are not the cheapest, but our seeds are of the **HIGHEST** quality. **THAT MAKES THEM CHEAPEST IN THE END.** Invest a little extra at planting time and you will reap a more profitable harvest.

Selected CORN—SWEET OR SUGAR Northern Grown

If ordering by mail, add 10c per pound for postage. Write for quantity prices.

Routledge Superb

In this new Northern grown table Corn we offer our customers the earliest, sweetest and most productive Corn known, and we mean every word of it.

There is no use writing a half page to say the same thing. We cannot understand why gardeners will persist in planting the old run out varieties that taste like field corn when cooked, when such a delicious, tender and productive corn as our "Superb" will double their sales and profit and please their customers. Routledge's Superb will mature 7 to 10 days ahead of any other Sweet Corn and produce 2 to 5 moderately sized ears to the stalk. Try it.

Large Pkt. 15c; 1b. 25c; 10 lbs. \$1.75

Routledge's Selected Strain Golden Bantam

Flavor.—Without exception, Golden Bantam Corn is the richest in flavor of all varieties; a sweet corn of which one will never tire. The introduction of Golden Bantam affords a delicacy of surprising quality and rich flavor. The first trial of this superb Sweet Corn creates a taste "like more."

Earliness.—Golden Bantam Sweet Corn is one of the earliest sweet corns. It matures quickly and is suitable, not only for early planting (on account of its hardness), but a succession of sowings may be made during the season, giving a continuous supply until fall.

Color.—When picked at the proper stage of its growth the kernels are a rich, creamy yellow. This deepens to an orange yellow as it ripens. Its first appearance often leads the purchaser to doubt its being a sweet corn. A trial, however, soon convinces that the color has no effect on its unsurpassed quality.

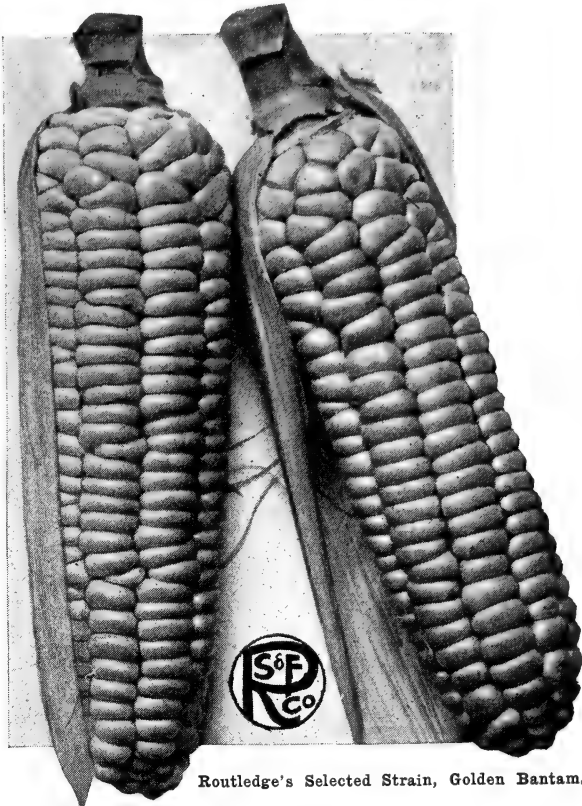
Growth.—Being dwarf in growth, with stalks small in size, it can be planted quite close, and a large crop may be obtained on a small area. The ears are 8 to 12-rowed, and from 5 to 7 inches in length—just the right size to handle at the table. The kernels are wider than most sweet corn, and of good depth, the percentage of corn to cob being greater than on any other early variety.

The Best Ever.—We have yet to hear of one who has grown Golden Bantam Sweet Corn and was not well pleased with it. From all points come letters from pleased customers. So sure are we that it will satisfy everyone who tries it this season, that we agree to refund the price paid us for Golden Bantam if it does not give perfect satisfaction.

Price: Large pkt. 15c; 1b. 25c; 10 lbs. \$1.75
EARLY MINNESOTA.—This old and deservedly popular variety is one of the best early sorts for the market and private garden.

Large pkt. 10c; 1b. 15c; 10 lbs. \$1.00
BLACK MEXICAN.—An extra fine variety, unsurpassed for sweetness. Ears bluish-black when ripe, but whiten on being cooked.

Large pkt. 10c; 1b. 15c; 10 lbs. \$1.25



Routledge's Selected Strain, Golden Bantam.

COUNTRY GENTLEMAN.—Valued for its richness of flavor and productiveness, having 3 to 4 good ears to the stalk, all extra large, with exceedingly deep kernels. Large pkt. 10c; 1b. 15c; 10 lbs. \$1.25

EARLY WHITE COB CORY.—One of the very earliest and fine for a market variety; medium size ears. Large pkt. 10c; 1b. 15c; 10 lbs. \$1.10

EARLY MAMMOTH.—One of the very best varieties to plant for home garden or market. Forms very large ears, which are quite sweet and of fair quality. It withstands our dry summers well. The ears fill well and are excellent.

Large pkt. 10c; 1b. 15c; 10 lbs. \$1.25

POTTER'S EXCELSIOR.—The richest flavored and sweetest of all the medium varieties. Large, twelve-rowed ears, with deep kernels; ripens fairly early; one of the finest sugar corns for the table.

Large pkt. 10c; 1b. 15c; 10 lbs. \$1.00

STOWELL'S EVERGREEN.—A good main crop or late sort. Recognized everywhere as the standard variety for market and home use. Remains longer in green state than any other. Very large ears, with deep grains, and remarkably sweet.

Large pkt. 10c; 1b. 15c; 10 lbs. \$1.00

FIELD CORN.—Don't overlook what we have to offer in Oregon grown Field Corn; "the best ever." Page 35.

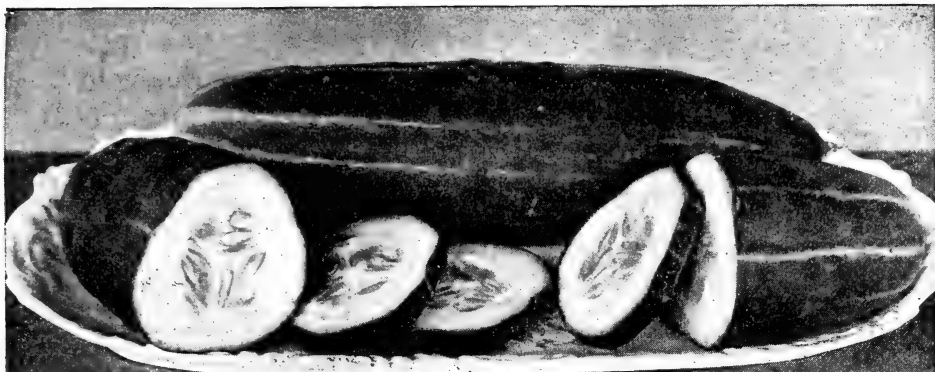
POP CORN

White Rice.—Short ears, white, pointed kernels.

Large pkt. 10c; 1b. 15c

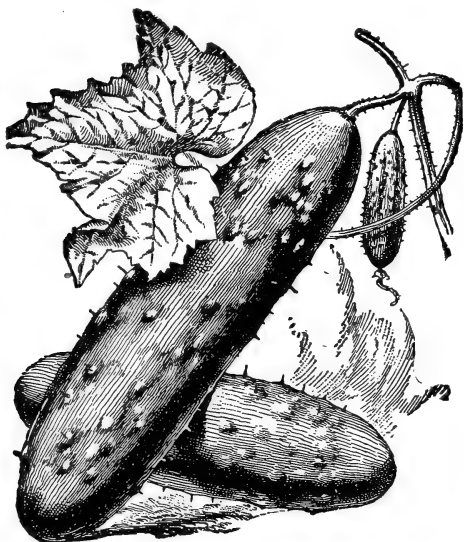
CORN PLANTERS.—We offer three styles. See page 98. They save time and seed.

CUCUMBERS



Arlington White Spine

JAPANESE CLIMBING.—Often used for ornamental purposes, as the vines are very vigorous, throwing out tendrils, enabling them to climb trellises admirably. Dark green fruit, quite large and very tender. Pkt. 10c; oz. 15c; 4-oz. 50c



Boston Pickling

BOSTON PICKLING.—A distinct variety, very popular for pickles; color bright green, and a great producer. The fruit averages four to five inches in length, when large enough for slicing, and are of excellent quality; but it is for producing medium-sized pickles that this variety is so highly esteemed. If the fruits are gathered as soon as large enough, the vines will continue bearing through a long season.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.00

ARLINGTON WHITE SPINE.—An extra selected strain of White Spine, selected with a view to obtain evenness of size, form and color. This strain we consider by far the finest for growing in hotbeds. Pkt. 10c; oz. 15c; 4-oz. 40c; lb. \$1.50

Early Short Green.—A very early and productive variety, dark green and rather short.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.00

Early Green Cluster.—One of the extra early varieties. A great bearer; fruit borne in clusters near the root.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.00

IMPROVED LONG GREEN.—The leading large variety. Fruit from 10 to 12 inches long, dark green, crisp and tender. A good variety for slicing, and when ripe they are the best for sweet pickles. We offer the "Best Strain" that will grow long and uniform in shape.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

Keep Chickens? Read this.

See page 108 for Poultry Foods.

Troutdale, Ore., May 4, 1911.

Routledge Seed Co., Portland, Ore.

Gentlemen: Please send me another 200 pounds of your Baby Chick Food. That is good stuff.

Yours very truly,

ERNEST PETERSON.



Improved Long Green

Seed and Reference Tables.

FOR COMPLETE SEED AND PLANT TABLES, AMOUNT TO PLANT, ETC., SEE COMPLETE REFERENCE TABLES INSIDE BACK COVER. ALWAYS REFER TO "INDEX," PAGES 1-2, FOR ANYTHING WANTED.

ENDIVE

This is a hardy vegetable, cultivated principally for a winter salad. Sow from May until August for a succession of crops; tie the leaves closely together to blanch them.

Green Curled.—The hardiest of all, with beautifully curled dark green leaves, tender and crisp.

Pkt. 5c; oz. 15c; 4-oz. 50c

White Curled.—Very tender and white; blanches easily.

Pkt. 5c; oz. 15c; 4-oz. 50c

Broad-Leaved Batavian.—Long, broad leaves; very fine for salads.

Pkt. 10c; oz. 15c; 4-oz. 50c

EGGPLANT

New York Improved Spineless.—Considered the best variety. Oval-shaped, deep purple, large size and fine flavor.

Pkt. 10c; ½-oz. 35c; oz. 65c; 4-oz. \$1.75

Early Long Purple.—A very hardy variety, producing abundantly. Fruit longer and smaller than previous variety.

Pkt. 10c; oz. 35c; 4-oz. \$1.00

HORSERADISH ROOTS

These sets or small roots can be planted in the spring or fall, small end down, with the top one inch below the surface, in rich, cultivated soil. Will form radishes of large size in one season's growth. For prices, see *Vegetable Plants and Roots*, page 79.

KOHLRABI

Early Purple Vienna.—Fine early variety, with blue outside and white flesh. Pkt. 5c; oz. 25c; 4-oz. 75c

Early White Vienna.—Similar to purple variety, excepting color. Pkt. 5c; oz. 25c; 4-oz. 75c

KALE or Borecole

Kale, or Borecole, is a kind of cabbage that does not form a close and solid head, but a cluster of beautifully curled or wrinkled leaves that are tender and of excellent flavor. It requires the same treatment as cabbage; is very hardy, being improved by frost.

Dwarf Green Curled.—Beautifully curled, bright green leaves, tender and of fine flavor.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

Siberian.—A very hardy variety, generally sown in the fall, and treated the same as spinach.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

Tall Green Curled.—Grows about two feet high; leaves dark green; curled and wrinkled; very hardy and is improved by a light frost.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

Thousand-Headed.—For stock feeding. See *Field Seeds*.

LEEK

Carentan.—Mild and sweet; largest variety; hardy and of the finest quality.

Pkt. 5c; oz. 15c; 4-oz. 40c

American Flag.—Very broad, thick stems of good flavor.

Pkt. 5c; oz. 15c; 4-oz. 40c

LETTUCE



Our Motto:
"Highest
Quality"

Grand Rapids Lettuce

Hanson (Improved Hard-Heading Stock).

The leading head lettuce. We can recommend this as one of the very best. Heads green outside and white inside; grow to a remarkable size; very solid, and is deliciously sweet, crisp and tender. It withstands the hot sun.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.35.

Early Prize Head.

This old, standard sort still stands at the head of the large, thin-leaved, clustering varieties. The very large leaves are savoyed or crimped; bright green, tinged with red, and are exceedingly tender, crisp and sweet, forming a large, loose head. This variety is one of the very best for the garden, but is not a good sort to ship long distances.

Pkt. 5c; oz. 15c; 4-oz. 35c; lb. 1.25.

Grand Rapids

For early forcing. As a lettuce for greenhouse forcing this variety undoubtedly stands at the head of the list. Of quick growth and stands for some days after being fit to cut. The plant is upright, and forms a loose head or cluster of large, yellowish green leaves, slightly crimped and blistered, rather thin, good flavor, crisp and tender. It will stand shipping better than most curled sorts.

Pkt. 5c; oz. 15c; 4-oz. 50c; lb. \$1.50

California Cream Butter or Royal Summer Cabbage

A very popular variety for autumn and winter use. Forms a very large head, which is very buttery, and of a rich golden-yellow inside. The leaves are thick and of bright green, slightly tinged with brown on top of head, and the outer leaves are slightly spotted with inconspicuous brown spots. Easy to grow and a good shipping variety.

Pkt. 5c; oz. 15c; ¼-lb. 40c; lb. \$1.25

CANARY BIRDS

Did you ever hear an imported Hartz Mountain Canary sing? They are the sweetest singers on earth. (See page 111.)

LETTUCE—Continued

R. R.'S TENDER CRISP

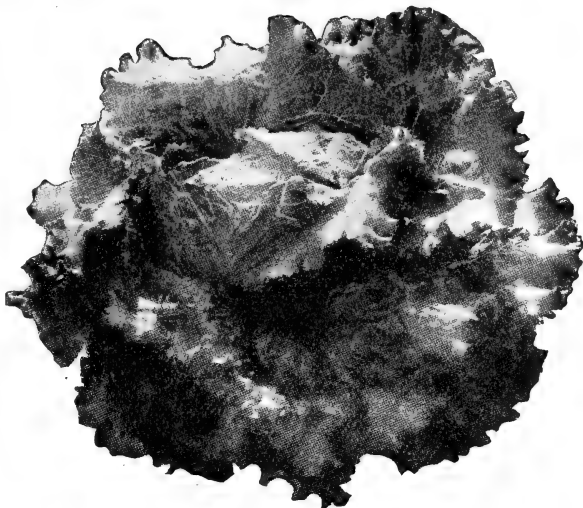
A distinct and extra choice variety for those who like curly, crisp, tender Lettuce of the finest quality.

Grows to a large size, makes most desirable heads of pleasing appearance, and retains its crispness and mild flavor to a greater degree during the hot summer months than any other crisp-head variety. While especially adapted for midsummer, it is most desirable also for spring and fall. The plants are of quick, strong growth; the leaves are of a soft, bright green, growing closely around the heads, which are tightly folded and blanch to a silvery white, and crisp and brittle as could be desired.

Pkt. 10c; ½-oz. 15c; oz. 25c; 4-oz. 75c

SIMPSON'S EARLY CURLED.—A leading market variety; used for very early planting and forcing; forms a dense mass of finely curled and wrinkled leaves that are excellent and tender, and do not wilt readily.

Pkt. 5c; oz. 15c; 4-oz. 30c; lb. \$1.00



R. R.'s Tender, Crisp Lettuce

FREE PREMIUMS

Do not overlook our premiums given with cash sale orders. See inside front cover.

BLACK SEEDED SIMPSON.—Forms a close, compact mass of curly leaves of a yellowish green.

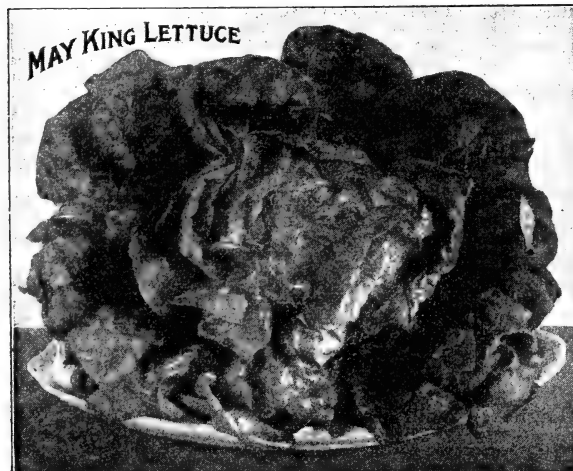
Pkt. 5c; oz. 15c; 4-oz. 30c; lb. \$1.00

ARLINGTON BLACK SEEDED TENNIS BALL.—Our own private strain of Tennis Ball for outdoor planting. Grown from selected heads, and cannot be equaled for form, quality and hardness of heads. It is also one of the earliest varieties, and may be sown till August.

Pkt. 10c; oz. 20c; 4-oz. 50c; lb. \$1.50

IMMENSITY.—A very large-heading variety; one of the largest of the cabbage sorts and almost a third larger than California Cream Butter, which it resembles in color and shape. It is especially adapted for planting in the fall and winter, and makes a fine, tender, buttery head. A number of our best local market gardeners have been growing it, and find it unsurpassed for a fine, heavy shipping variety.

Pkt. 10c; oz. 20c; 4-oz. 50c



Big Boston

Popular for outdoor culture, and also in demand as a compact, large heading, forcing sort. Plants very large, very hard and vigorous; leaves broad, comparatively smooth, but wavy at edge, thin, very hard and crisp; color bright, light green; the head slightly tinged with reddish brown. Grown extensively in the South for shipment North in the winter.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

Salamander.—Valued for its hardness, withstanding to a marked degree heat and continued drought. Largely used for a fall crop. Esteemed very highly by market gardeners.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

May King

The plants are of quick growth, practically all head and extremely handsome. From early spring plantings in the open ground they grow quickly to a diameter of six to seven inches, with the broad, light green outer leaves folding closely about the round, solid head; in cool weather the edges of these outer leaves are lightly tinged with brown.

The inner leaves (practically the entire head) are blanched to a rich golden yellow, and have a specially fine, rich, buttery flavor. The solid round heads are so firmly folded that they can be shipped to distant markets and arrive in good condition. We recommend repeated plantings of this new early variety in the spring, and again during August and September for fall use.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.50

MUSTARD

The leaves of mustard make excellent greens of sharp, pungent flavor, and are cooked the same as spinach or beet leaves.

Southern Giant Curled.—Large variety, forming a great mass of beautiful leaves, which are ruffled and finely curled on the edges; hardy, vigorous, highly recommended.

Pkt. 5c; oz. 10c; 4-oz. 15c; lb. 50c

White English.—Light green variety; tender leaves; seed light yellow.

Pkt. 5c; oz. 10c; 4-oz. 15c; lb. 40c

PLANT SMALL FRUITS around your garden. What's nicer than delicious fresh fruit, fresh from your own garden? See Fruit Department, pages 71 to 79.



MUSHROOM SPAWN

LAMBERT'S PURE CULTURE SPAWN.—Mushrooms may be grown in any place where conditions of temperature and moisture are favorable. A shed, cellar or cave may be utilized to advantage for this purpose. It is essential that the temperature be maintained from 53 to 60 degrees, F., and that the moisture be properly regulated. Lambert's Pure Culture Spawn is far superior to the old-style varieties, and much better results can be obtained from its use. The bricks should be broken into pieces about two inches square and planted from 10 inches to a foot apart. Bricks weigh from 18 to 24 ounces. A brick will spawn 10 square feet of bed. With Lambert's Pure Culture Spawn it is impossible to raise poisonous mushrooms. Price, per brick, 35c, postpaid. By express or freight, 10 bricks, \$2.25. Write for quantity price.

MUSHROOM CULTURE.—We have a 32-page booklet on Mushroom Culture, nicely illustrated, for 25c, postpaid. Free with an order for 10 bricks. (Other books, page 112.)

MUSKMELON

ROCKY FORD, OR NETTED GEM

The most popular and best seller among Muskmelons.

The fruit is oval, slightly ribbed, densely covered with coarse netting. Flesh thick; green, very sweet and highly flavored. The fruit is wonderfully uniform in shape and quality. Grown largely in Colorado and shipped in carload lots all over the country. The favorite everywhere. Pkt. 5c; oz. 15c; 4-oz. 35c; lb. \$1.00

WILGROW.—A spoonful of Wilgrow to each melon will do wonders. See page 91.

BURRELL'S GEM

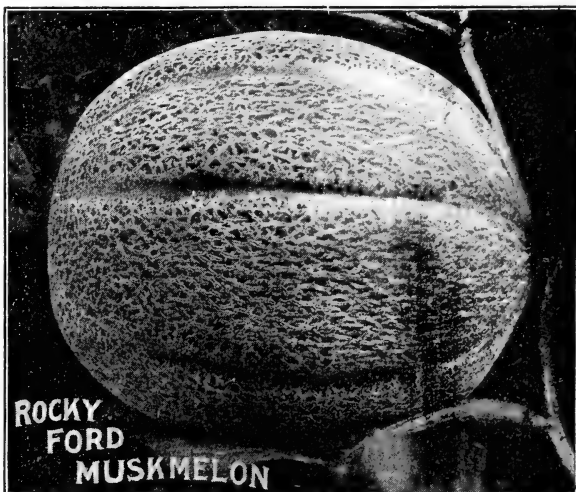
Select Strain. — A new, medium-sized oval variety, well ribbed and covered with a fine grayish netting, and having salmon or red flesh. It is larger than Rocky Ford, and of an entirely distinct flavor. There is a growing demand here for the fine-grained, smooth, salmon red-fleshed Muskmelons, and Burrell's Gem seems to be one of the best in cultivation. Pkt. 10c; oz. 20c; 4-oz. 50c; lb. \$1.50

LARGE YELLOW CANTALOUPE. — A distinct type and very popular with all who have tried it. The fruit is large, oblong, slightly ribbed and coarsely netted. The flesh is light yellowish-green, very sweet, crisp and delicious. Pkt. 5c; oz. 10c; 4-oz. 35c; lb. \$1.00

KRIS KRINGLE

The new Winter Muskmelon

This is really a great acquisition to the vegetable world, and is destined to become a standard vegetable, just as much so as potatoes or onions. The seed should be sown late in the spring, after all danger of frost is over, on moist, sandy loam. Do not pick until the light streaks become quite yellow. Stow away so they do not touch each other in a cool, dark place. When the rind becomes slightly softened and moist, they are ready to eat. Some of the melons will actually keep until February. Pkt. 10c; oz. 25c; 4-oz. 75c; lb. \$2.50



THE HOODOO

Unlike its unpropitious name, this Muskmelon is one of the best of recent introductions. It is early and prolific. The fruit is of medium size; the seed cavity very small; the rind very thin, indeed; and the edible fleshy part very thick and meaty. It is of orange or salmon color, the type much preferred now; but its great charm is its flavor, which is par excellence. We have seldom had such enthusiastic reports from any vegetable novelty as from the Hoodoo Muskmelon. It will pay you to try it. Pkt. 10c; oz. 20c; 4-oz. 50c; lb. \$1.50

MONTREAL IMPROVED NUTMEG.—Valued for its size and delicious flavor. Round in shape, with remarkably thick green flesh. One of our handsomest varieties. Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

OSAGE, OR MILLER'S CREAM.—Medium to large, flesh thick, deep salmon, of excellent quality, rich and sweet; skin dark green, slightly netted and ribbed. A favorite variety for the later markets. Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

Our Motto: "Highest Quality."

Good Seed is worth good money. The up-to-date gardener never hesitates to pay the top price for what he wants. Price, indeed, is a small consideration to him; he wants the "best quality." This is more especially true of high-grade vegetable seeds. Cheap seed is expensive. Buy our **HIGHEST QUALITY** seeds. None better anywhere.



WATERMELON

Routledge's Oregon Prize

We offer this new Melon with the assurance that it is not only remarkably early but as sweet, delicate and melting in flavor as any variety grown.

The flesh is of a deep scarlet; rind thin, and on this account is not a particularly good shipping sort, but is emphatically the variety for home use and sale. It will ripen in altitudes where it has not been thought possible to mature a good watermelon.

Pkt. 10c; oz. 15c; ¼-lb. 40c; lb. \$1.25

Cole's Early.—One of the best early sorts; medium size, green skin and red flesh.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

KLECKLEY'S SWEET.—Unsurpassed for home use or near markets. Vine vigorous and productive; fruit of medium size, oval; color dark green, often showing fine russetting; flesh very bright, rich red and exceedingly sweet. So crisp and tender that it will not stand shipping, the fruit bursting open if subjected to even a slight jar, or when the rind is penetrated with a knife.

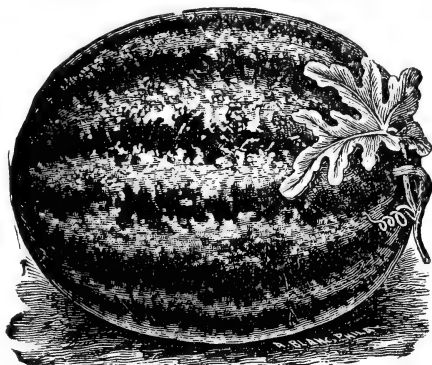
Pkt. 5c; oz. 10c; 4-oz. 30c; lb. 85c

FLORIDA FAVORITE.—A splendid melon of largest size and excellent quality, fruit long, dark green, mottled and striped with lighter shade; rind thin but firm, flesh very bright, deep red, very sweet, tender and excellent.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 85c

CUBAN QUEEN.—A very vigorous grower. Early, very solid and heavy. Handsomely striped and of most delicious flavor.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c



ICE CREAM.—Medium size and nearly round. Solid scarlet flesh of finest flavor.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

GEORGIA RATTLESNAKE.—One of the oldest and most popular sorts and frequently known as **Gypsy**. A large, oblong variety, with decided stripes of light and deep green; rind is tough, but flesh is of good quality and bright red; a good shipping and market melon. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

VALUABLE FREE PREMIUMS

Your own selection. See inside front cover

CITRON, RED SEEDED.—Small, striped and marbled with light green; flesh white and solid; seeds red; used exclusively for pickles and preserves.

Pkt. 5c; oz. 15c; 4-oz. 35c

ONION SETS

Bottom Onion Sets.—These are small onions grown from seed that have been sown too thick to attain a large size. The small onions (about ½-inch in diameter) thus obtained are planted out and are ready in a short time to pull as green onions for the table. Yellow sets are most in demand, but Red and White are used to some extent. Per lb. 15c, postpaid 25c; 10 lbs. \$1.25. Write for low prices by the 100 lbs.

Top Sets.—Produced in clusters. Per lb. 30c, postpaid

Shallots.—Valuable for bunching or for an early crop. The smallest sets make fine bulbs of good size, while the larger ones produce a cluster of small to medium-sized bulbs; light brown skin; mild, white flesh. Per lb. 25c; postpaid 35c

Pure Seed

AILSA CRAIG

A magnificent variety of recent English introduction. Unsurpassed for exhibition purposes.

Very large, oval shaped, with straw-colored skin. When grown to perfection will weigh from 2½ to 3 pounds. Has attained great popularity among private gardeners for its all-round superiority as an exhibition variety. The stock we offer is unexcelled and obtained direct from one of the best growers in England.

Pkt. 15c; oz. 35c; 4-oz. \$1.00

EXTRA EARLY RED FLAT.—The first Red Onion to ripen. A medium-sized, flat variety; an abundant producer and very uniform in shape and size; moderately strong-flavored and comes into use nearly two weeks earlier than the Large Red Wethersfield; very desirable for early market use.

Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.00

AUSTRALIAN BROWN.—One of the most popular and most sought after onions in many markets. Its remarkable keeping qualities and handsome appearance have brought it rapidly to the front. This onion resembles the Oregon Yellow Danvers in general appearance, but has a clear, amber-brown skin that attracts buyers. It matures early, ripens uniformly, and will keep in good condition longer than any other onion. We offer the true, genuine seed, Oregon-grown.

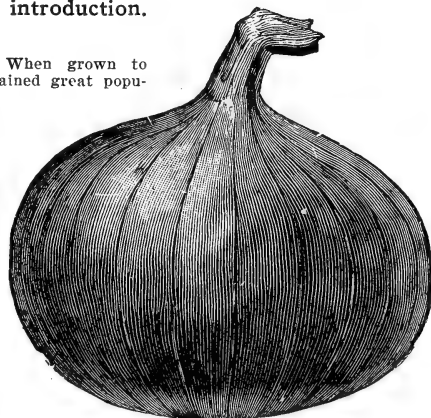
Pkt. 5c; oz. 15c; 4-oz. 50c; lb. \$1.75

LARGE RED WETHERSFIELD.—The standard variety of the red onions. Of large size, a heavy yielder, and one of the best for keeping. Skin a deep purplish red.

Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.00

ONION

"Highest Quality"



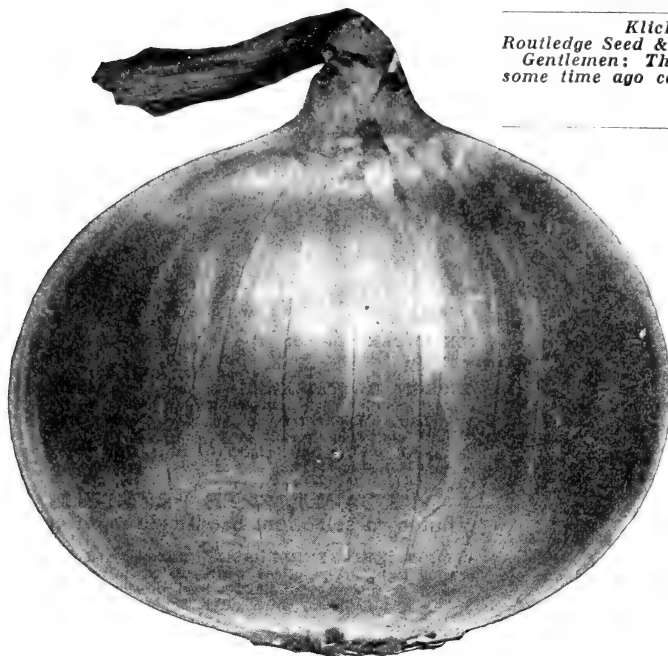
Australian Brown

SOUTHPORT RED GLOBE.—An early maturing, large-sized, globe-shaped onion, with deep red skin; flesh fine-grained, very mild and tender.

Pkt. 5c; oz. 20c; 4-oz. 60c; lb. \$2.00

DON'T PRACTICE FALSE ECONOMY BY BUYING LOW-PRICED SEEDS. OUR MOTTO—
QUALITY FIRST, PRICE AS LOW AS WE CAN MAKE IT.

ONION—Continued



Oregon Danvers Onion

SOUTHPORT WHITE GLOBE.—An enormous yielder and superb keeper; perfect globe-shaped, very large, clear white skin, and considered one of the handsomest varieties grown. We offer the very finest stock obtainable. Pkt. 10c; oz. 30c; 4-oz. \$1.00; lb. \$3.50

BARLETTA.—The earliest and smallest onion grown; of great value for pickling or table use. Pkt. 5c; oz. 25c; 4-oz. 75c; lb. \$2.50

YELLOW GLOBE DANVERS.—Finest shape, best color and yields largest crop of any yellow onion. The heaviest yield of onions is always obtained from rich, black lands. On such soils it is found that a globe-shaped onion with a somewhat flattened base gives the largest returns, and to meet the demands of the professional onion growers located on such lands, we offer this variety. The bulbs are large and uniformly spherical, with very small necks; of a rich, orange-yellow color; enormous yielders and splendid keepers. No onion grower can afford to plant inferior seed when such as this can be procured.

Pkt. 5c; oz. 20c; 4-oz. 65c; lb. \$2.00

PRIZETAKER.—A superb variety where large size and superior keeping qualities are desired. Color a rich straw and flavor very mild and delicate. This variety is often sown in beds and transplanted to open ground. Pkt. 10c; oz. 20c; 4-oz. 70c; lb. \$2.25

QUEEN.—A white variety, prized for pickling on account of its small size and remarkable keeping qualities. Of very quick growth, flat-shaped and fine flavor. Pkt. 5c; oz. 25c; 4-oz. 65c; lb. \$2.25

WHITE PORTUGAL, OR SILVERSKIN.—The finest flavored of all the white-skinned onions. Quite early, flat-shaped, and a fine cropper. Often used for pickling when young.

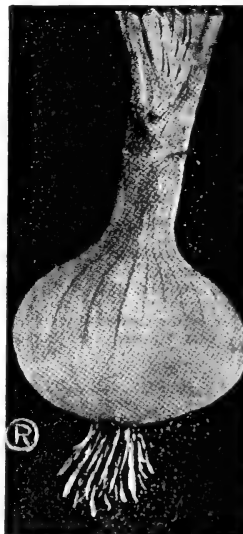
Pkt. 10c; oz. 30c; 4-oz. 90c; lb. \$3.00

OREGON YELLOW
DANVERS

This is the variety planted almost entirely in the Northwest, particularly in Oregon. The largest crops of onions and the best keepers, bringing the highest prices in the Oregon and California markets are the Oregon Yellow Danvers. The bulbs are uniformly large, of a half-globe shape, with small necks. It is the earliest, largest in size, most perfect in shape, the largest cropper and the best keeper, and as a market or table onion cannot be excelled. Our seed is grown specially for us by the best onion seed growers in Oregon. No onion grower can afford to plant anything inferior when such seeds can be obtained. Pkt. 5c; oz. 20c; 4-oz. 50c; lb. \$1.75.

Yellow Danvers. — An old and well known variety.

Oz. 15c; 4-oz. 50c; lb. \$1.50



Queen

OKRA

Improved Dwarf Green.—Very productive; long, slender; green pods.

Pkt. 5c; oz. 10c; 4-oz. 25c



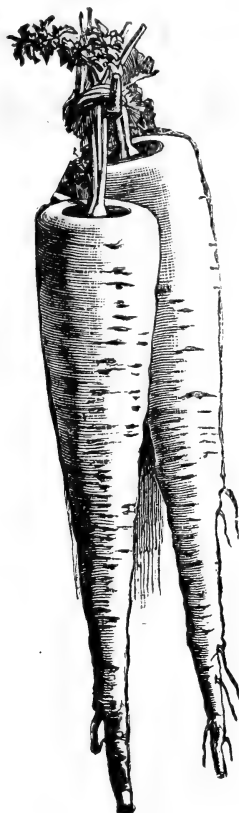
Parsley Leaf

PARSLEY

Champion Moss Curled.—An English strain, with moss-curved foliage and a very vigorous grower. Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.00

Arlington Extra Curled.—This is the very choicest strain obtainable, and is a selection from those plants having the greatest possible curl to the leaves, and the darkest green color; a very vigorous grower, a healthy yielder; will stand heat and drought better than any other.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25



Parsnip

PARSNIP

SWEET MARROW

This fine new parsnip of English origin is offered with full confidence that it will become a prime favorite with all who use it. It is very fine grained and exceedingly sweet, while the peculiar "parsnip" flavor is fully preserved. The roots are unusually smooth and attractive in appearance. The best of all parsnips for the private or market garden.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

HOLLOW CROWN.—The most popular variety; medium length roots, very smooth, and of the finest quality. Derives its name from a depression at top of crown or root; very fine table sort.

Pkt. 5c; oz. 10c; 4-oz. 30c; lb. \$1.00

"WILGROW," the best fertilizer on the market. A 25c package will do wonders. Read more, page 91.

PEPPER

LARGE BELL, OR BULLNOSE.—A very large, inverted bell-shaped, valued for pickling or for filling; thick, hard flesh, not very pungent, and remarkably early for such a large fruit.

Pkt. 5c; oz. 25c; 4-oz. 85c; lb. \$2.50

DWARF EARLY SQUASH.—A very mild-flavored variety, popular with the market gardeners; very thick flesh; fruit very smooth and almost round; of dwarf growth and great productiveness; one of the earliest. Our stock of this variety is extra selected and unexcelled.

Pkt. 5c; oz. 25c; 4-oz. 85c

RED CHILL.—A rather small, bright red variety, about 2 inches long, and pointed; the pods are used in making chilli sauce, and are very pungent and hot.

Pkt. 5c; oz. 25c; 4-oz. 85c

CAYENNE.—Long, red, pointed pods; very strong and used largely for making pepper sauce; popular variety.

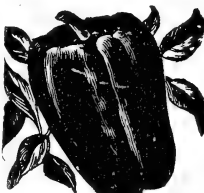
Pkt. 5c; oz. 25c; 4-oz. 85c

CHERRY RED.—Rich, glossy, scarlet fruit at maturity; small, smooth and round; of dwarf habit.

Pkt. 5c; oz. 25c; 4-oz. 85c



Red Chili



Bullnose

We please others; we can please you.

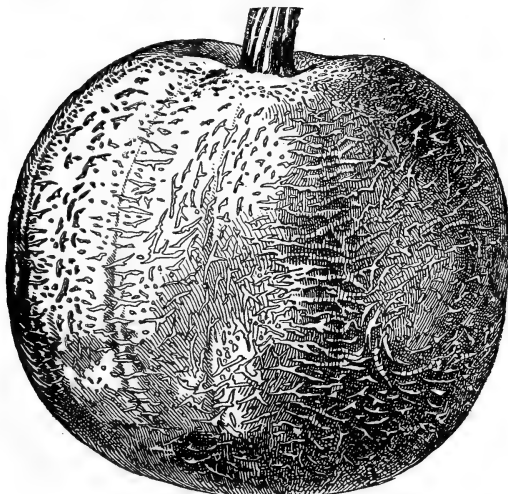
Lafayette, Oregon.

Routledge Seed & Floral Co.

Gentlemen: I was much pleased with the quantity of seeds in the packets which I got from you; a larger amount than any I have had this spring and I have had seeds from five different seed houses. Now if the quality and fertility are equal to the amount, you may count on my trade in the future.

November 12, 1910.—I was very well satisfied with the seeds bought this spring, both in fertility and quality. I think every seed grew. Yours,

MRS. STELLA I. POSTLE.



Winter Luxury Pumpkin

PUMPKIN

Winter Luxury

An enormously productive variety of medium size and superior keeping qualities. Of rounding shape, about 10 inches in diameter; golden russet color, with finely netted, deep golden flesh; sweet and tender. By far the best for pies; try it.

Pkt. 10c; oz. 15c; 4-oz. 35c; lb. \$1.00

SMALL SUGAR.—Fine grained, very sweet and excellent keeper. Skin deep orange-yellow.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

KING OF MAMMOTHS.—The largest of all the pumpkins; grow this variety to win the prizes at the Fair.

Pkt. 10c; oz. 15c; 4-oz. 50c; lb. \$1.50

CONNECTICUT FIELD.—The best for field culture and excellent for stock.

Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 50c

Large Sweet Cheese

A popular variety; fruit flattened; skin mottled light green and yellow; flesh yellow, thick and tender; very nutritious and of excellent quality; a most productive variety.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

Highest Quality**GARDEN PEAS****Hand Picked**

Add 10c to pound prices if wanted by mail.

Another short crop of garden Peas makes almost a famine. This is the third year in succession that the seed crops of Peas the world over are reported very short. Select new crop Peas are very scarce and unusually high.

Extra Early Hardy Peas

You can plant these in the fall or very early spring before it is safe to plant the wrinkled varieties; while they are not as sweet as the later sorts, they are most desirable and popular on account of their extreme earliness; follow with wrinkled sorts when ground is warm.

ALASKA, OR EARLIEST OF ALL.—A very early, hardy variety; the vines grow from 20 to 30 inches high, bearing well-filled, medium sized pods. Very productive and the most popular extra early pea.

Large Pkt. 10c; 1b. 20c; 10 lbs. \$1.50

Duke's Best Extra Early—A prize strain

This is very much the best early pea of the smooth-seeded varieties; is very much sweeter and also earlier. The vines make very quick growth, about 18 inches high. The pods are always well filled and ripen practically all at one time.

Large Pkt. 10c; 1b. 20c; 10 lbs. \$1.75

FIRST AND BEST.—Unsurpassed for early and even ripening. One of the best for market gardeners, as the whole crop ripens within a few days, so that the ground may be cleared and another crop planted. About 45 days is the average from planting until the whole crop is ready for market. Very hardy; height 2 to 3 feet.

Large Pkt. 10c; 1b. 20c; 10 lbs. \$1.50

Lamont, Wash., April 12, 1911.

Routledge Seed Co.

Dear Sirs: I received your peas, and same were in fine shape. Yours truly,

C. R. LOGSDON.

Early Wrinkled Peas

AMERICAN WONDER.—One of the most popular and best of the early wrinkled sorts. A great favorite for planting in the small garden on account of its short compact growth. Has stout, branching vines, covered with well-filled pods, containing seven or eight large, exceedingly sweet, tender and well-flavored peas; height 10 to 12 inches.

Large Pkt. 10c; 1b. 20c; 10 lbs. \$1.75

IMPROVED LITTLE GEM.—A sweet, wrinkled pea, coming in a little later than the American Wonder; grows taller and is much more productive, and continues bearing longer. It grows about 15 inches high, and bears good-sized pods, which are filled full of large peas of especially fine, sweet flavor; very desirable for the home garden.

Large Pkt. 10c; 1b. 20c; 10 lbs. \$1.75

There is a vast difference in "strains" of garden Peas. You will find our stock "very superior" to the average seed sold.

R. R.'S PROSPERITY

The earliest large podded sweet garden Pea to date.

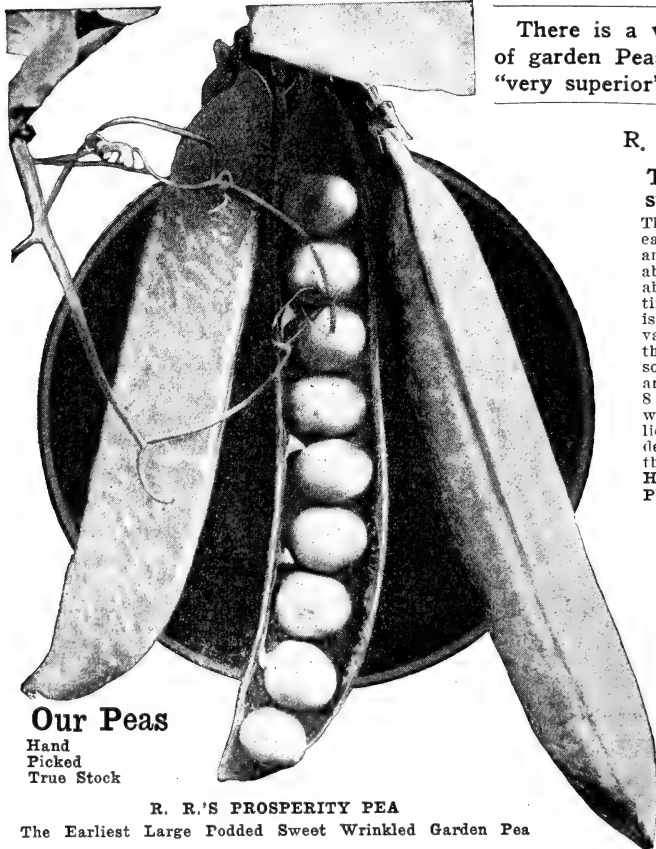
This grand large podded, extremely early, prolific variety is vigorous and robust, growing to a height of about 3 feet. It is not only an abundant producer, but bears continually throughout the season. It is exceedingly early for a wrinkled variety, being only a few days later than the earliest small, smooth sorts. The pods are very large, and are invariably well filled with from 8 to 10 sweet, luscious, tender, wrinkled peas of large size and delicious flavor. The peas remain tender and sweet for some time after they are large enough to use.

Hand-picked, selected seeds. Large Pkt. 15c; 1b. 30c; 10 lbs. \$2.50.

Thomas Laxton

An early wrinkled variety of great merit. Vine three to three and one-half feet high. Pods large and long; uniformly well filled. The green peas are very large, fine colored and unsurpassed in quality. We are certain that the earliness and productiveness of this pea needs only to be known to make it one of the most popular sorts for the market and home garden, as in appearance and quality it is one of the very best varieties yet produced.

Large Pkt. 10c; 1b. 25c; 10 lbs. \$2.00.

**Our Peas**

Hand
Picked
True Stock

R. R.'S PROSPERITY PEA

The Earliest Large Podded Sweet Wrinkled Garden Pea

NOTE.—Our pound prices on Peas do not include postage. If Peas are to be sent by mail, add 10c per pound. We pay postage on all packets.

Nott's Excelsior.

A deservedly popular variety; an enormous yielder, and of the very choicest flavor; pods well filled with six to eight peas, packed very closely together; valued highly for the home garden, and for all-round excellence is second to none; 15 inches high. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.75

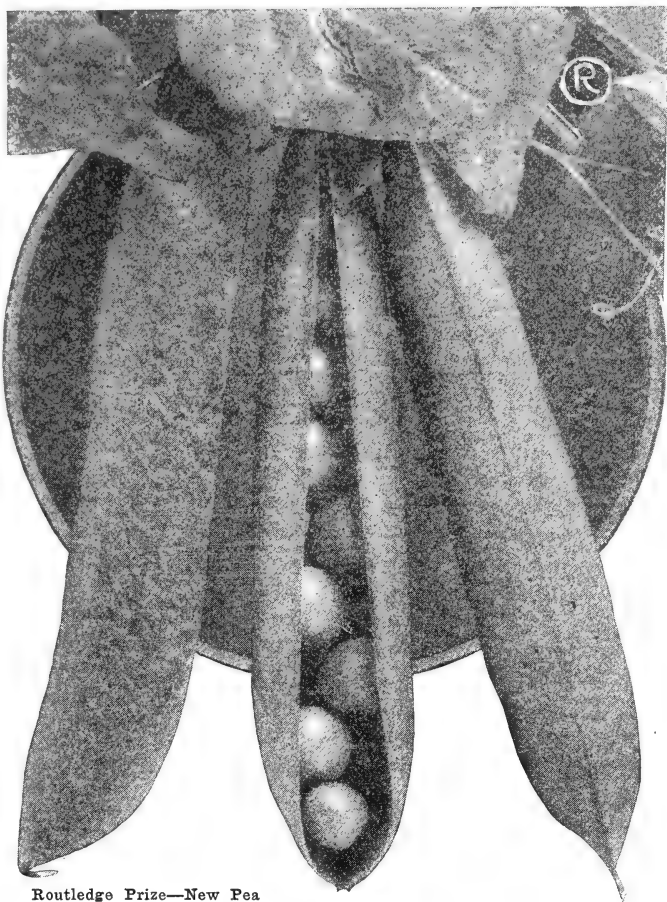
Dwarf Telephone.

Of English origin and introduction. The striking features are its large pods and the way in which they are heaped up in ridges on the short, strong vines. The pods are nearly double the size of American Wonder or Little Gem, and are always well filled with large peas of most excellent quality. The vines are dwarf, strong and thrifty, require no support, making it an ideal garden variety. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.75

McLEANS ADVANCER. — A variety that has stood the test of years and still great in popular favor. Noted for its great productiveness, handsome pods and delicious flavor. Ripens immediately after the extra early sorts and grows about 30 inches high. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.75

Yorkshire Hero

One of the largest, sweet, wrinkled kinds; vines strong and spreading; pods of good size and well filled; much in use, and has enjoyed a long popularity; medium late; bears a long time; height 2½ feet. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.75



Routledge Prize—New Pea

Large Podded, Late or Main Crop Peas

ROUTLEDGE PRIZE—A new sweet wrinkled mammoth podded pea.

This grand new pea resembles the Telephone in color of pod and foliage, and in habit of growth; but the pods are larger and contain more peas. A bushel of Routledge Prize pods will shell out nearly twice as many peas as a bushel of Telephone. The vines are enormously productive, being completely covered with immense long pods, well filled with from 8 to 11 large peas of the richest flavor. This variety grows about 4 feet high and, as an abundant cropper, is superior to all other sorts.

Nothing in the line of peas excels the Routledge Prize in richness, sweetness and flavor; we are sure our customers will agree with us after testing this new pea. Try them and report.

Stock limited; order early if you do not wish to be disappointed. Large Pkt. 15c; lb. 25c; 10 lbs. \$2.00

Champion of England.

An old standard variety that is still unsurpassed for delicious flavor. Enormously productive; height 4 feet; unexcelled for the home garden.

Large Pkt. 10c; lb. 20c; 10 lbs. \$1.75

STRATAGEM.—A semi-dwarf variety with large leaves and large pods. The peas are dark green, wrinkled, and of good quality. It is planted in large quantities by gardeners for market. In quality it is unsurpassed, the peas when cooked being of the most delicious sweetness. Vines grow 18 inches to 2 feet high and as they are very stocky they do not have to be brushed; they bear in profusion many very large pods, packed with immense dark green peas. We believe we have the very best strain that can be had anywhere. Select Hand-Picked—Large Pkt. 10c; lb. 20c; 10 lbs. \$1.75.

Telephone.

One of the largest peas we have. Vines attain a height of 4½ feet, bearing profusely the extra long, handsome pods; tender, sweet and superb flavor. We have a specially fine stock of Telephone. Large Pkt. 10c; lb. 20c; 10 lbs. \$1.75

Dwarf Sugar (Edible Pods).—Can be used in a green state like string beans; very sweet and melting.

Large Pkt. 10c; lb. 30c; 10 lbs. \$2.50

NOTE.—1911 crop of Seed Peas was almost a total failure. This is the third year in succession with a short pea crop, therefore good seed is very scarce and unusually high. Beware of lower prices, which will mean old or inferior seed.

Routledge Seed & Floral Co.'s

PURE SEED POTATOES



We offer a few varieties of special merit that we recommend to our friends and customers. We think it is folly to plant ordinary or common stock. Many gardeners insist on the best vegetable seeds, but plant any old kind of potatoes, not knowing whether they are early or late. Get a start of some of our select seed stock and you will be more than pleased with the results.

ABOUT PRICES.—Prices are subject to important market changes. Ask for quotations on larger lots. Good true stock of named Seed Potatoes are not plentiful. They are always in demand. Order early, before stocks advance. We look for very high prices late in the Spring.

EXTRA EARLY IRISH COBBLER

The most reliable first early white-skinned potato; so uniform in growth that every hill seems to ripen all at one time. Form oval and round; skin lightly netted, creamy white, and having few eyes, which are quite shallow; flesh pure white and of the finest quality; not excelled by any early variety; its earliness, uniformity, large yield, fine quality and very handsome appearance make the Extra Early Cobbler a popular and profitable variety for market or home garden use.
Bushel \$2.50; ½-bushel \$1.50; peck \$1.00. By mail, postpaid, lb. 30c; 3 lbs. 75c.

NORTH POLE.—A new early sort.

In this new sort we have an early potato of superior merit. It is extra early and much more productive than most early varieties. Potatoes oblong, smooth and very even in size, averaging about four inches. Eyes are shallow. Skin flesh color or pale pink. The quality is superb.
Price: Bushel \$2.50; ½-bushel \$1.50; peck \$1.00. By mail, postpaid, lb. 30c; 3 lbs. 75c.

EXTRA EARLY BOVEE

One of the most popular and earliest potatoes grown; color of potato pink or flesh color.
Prices: Bushel \$2.00; ½-bushel \$1.25; peck 60c. By mail, postpaid, lb. 25c; 3 lbs. 60c.

EARLY ROSE

This variety has been a great favorite for many years. Our stock is as fine as can be obtained.
Prices: Bushel \$1.75; peck 50c. By mail, postpaid, lb. 20c; 3 lbs. 50c. Write for quantity price.

WILGROW, FOR SPUDS.—Double your potato crop by using Wilgrow, a new fertilizer of great merit. Only a spoonful to a hill. It pays big. (See full information Fertilizer Department.) Put up only in 25c and \$1.00 packages for the small planter.

POTATO EYES

For those at very great distance, or where the express or freight charges would be exorbitant, these seed potato eyes afford an inexpensive way to obtain or test any of the varieties we offer. It has been proved that seed potatoes cut to a single eye give the largest yield.

25 eyes (not less of any kind), 30c;
100 eyes, \$1.00 postpaid.

GREAT DIVIDE for main crop

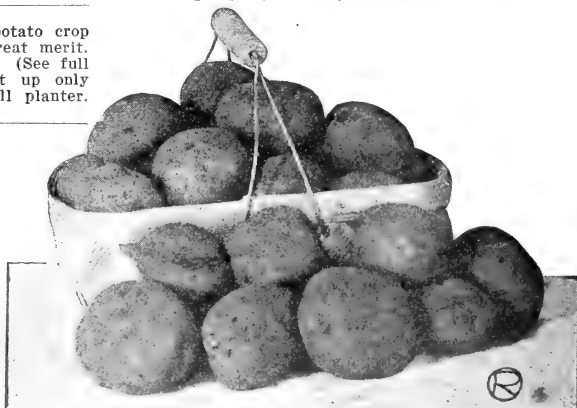
Every Potato salable size; no "seconds"

A strong, healthy vigorous grower, with abundant deep green foliage, capable of withstanding heat and drought. The tubers lie closely together in the hill and are handsome; oblong, thick and round in form, holding thickness well out to the ends; few and shallow eyes; skin pure white, quite thin but firm and tough, readily pared with a minimum of waste, while the table quality is of the choicest, the flesh being pure white, dry and floury. It cooks quickly with a delicious nutty flavor. In good soil the tubers grow to large size with very few "seconds." A most desirable and profitable variety; will out-yield any other potato, with the exception of Hundred Fold. Try it.
Per lb. 30c; 3 lbs. 75c, postpaid. By express or freight, peck \$1.00; ½-bushel \$1.50; bushel \$2.50

HUNDRED FOLD

Most profitable of all for a medium early or main crop. While this is not a new introduction, it has not been generally planted here, but its good quality has induced us to offer it to our customers. Our grower says it is far superior to the American Wonder, which is a strong indorsement. Hundred Fold is an oblong potato, slightly flattened, white in color, a good looker and a quick seller. It will outyield the American Wonder 25 per cent. It is of the finest quality, cooking up white and floury, either baked or boiled, and is also an excellent keeper.

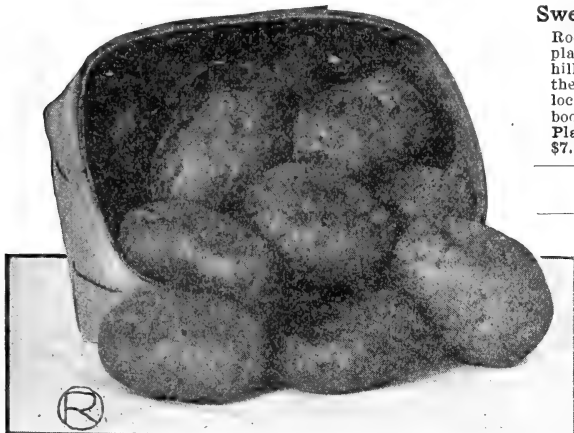
Prices: Bushel \$2.00; ½-bushel \$1.25; peck 75c. By mail, postpaid, lb. 25c; 3 lbs. 60c.



Extra Early Irish Cobbler

Get a start of our good, new, healthy, heavy yielding seed potatoes and raise some high quality stock. It will pay you.

Potato prices subject to market changes. Write for prices in bag lots, stating kind and quantity wanted. We'll save you money.



Hundred Fold

AMERICAN WONDER

The American Wonder is one of the best all-round white potatoes in cultivation. It is practically blight-proof, a strong grower, a great producer; tubers white, uniform in size; elongated; of excellent quality. It is a potato sought after and desired by our commission men, potato buyers, shippers and dealers, therefore a most profitable sort to plant.

Prices: Bushel \$2.00; ½-bushel \$1.25; per peck 75c. By mail, postpaid, @ 25c lb.; 3 lbs. 50c.

Sweet Potatoe Plants

Rooted plants ready in May. The young plants should be set out in May or June in hills about 4 feet apart and 5 inches above the ground level. A light soil and sunny location is preferable. Have your order booked now and be sure of plants when ready. Plants 30c dozen; \$1.25 per 100, postpaid; \$7.00 per 1000 by express.

We sell Potato Planters

SIR WALTER RALEIGH

We recommend this potato for a main late crop. It can be planted as late as July 1, and still mature a good crop. Especially valuable for low land on this account. Our grower says it has made the best continuous record of all the late varieties for yield, size, smoothness and handsome appearance. The tubers are good size, nearly round in shape, but flattened—very few small

ones. Skin is pure white, thin and transparent; eyes few and very shallow. The most desirable type of potato and a strong healthy grower. It will do well on low ground or clay, where other potatoes would not be profitable. Stock we offer is clean and pure.

Prices: Bushel \$2.00; ½-bushel \$1.25; peck 75c. By mail, postpaid, lb. 25c; 3 lbs. 60c.

Dallas, Ore., February 18, 1911.

Routledge Seed & Floral Co.

Dear Sirs: We have received the Seed, etc., all O. K. Thank you. BION BREWSTER.

RHUBARB or Pie Plant

BURBANK'S CRIMSON WINTER

The new variety, which has become very popular and profitable to the grower, has a delicious fruity flavor, is extremely hardy, very prolific, and very quick growing. Produces good stems all winter and spring. Pkt. 10c; oz. 65c; 4-oz. \$2.00

VICTORIA, OR MAMMOTH.—Very large; finest cooking variety. Pkt. 5c; oz. 15c; 4-oz. 45c; lb. \$1.50

RHUBARB ROOTS

From October to June we can always supply one or two-year-old Rhubarb Roots. Customers wanting only a few dozen roots for home gardens will save much valuable time by ordering roots instead of seed. For prizes, etc., see page 79.

Pure Seed

RADISHES

Selected Strains

To grow these crisp, brittle radishes so much desired, plant our selected strains of seed in rich, sandy, moist soil. A little "Wilgrow" scattered along the rows will do wonders.

WELL KNOWN POPULAR VARIETIES

Early Scarlet Turnip.—Small top; of quick growth; mild and crisp. A favorite with market gardeners.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

White Turnip.—Pure white; turnip-shaped.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

French Breakfast.—(See cut No. 7.) A very popular, quick-growing variety of oval shape; bright scarlet, tipped with white.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

Early Long Scarlet, Short Top.—This bright scarlet, small-topped sort is uniformly straight, smooth, brittle and crisp, and is a standard and excellent sort.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 65c

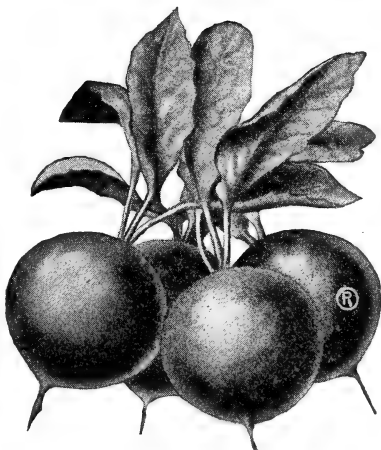
Lady Finger, or White Vienna.—Of rapid growth and beautiful shape; skin and flesh snow-white; very juicy, firm, crisp and tender.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

White Strasburg.—Even when comparatively small this variety is in good condition for use and continues crisp and tender until matured when the roots are four to five inches long and about two inches in diameter. This is considered one of the best large, summer sorts.

Pkt. 5c; oz. 10c; 2-oz. 15c; 4-oz. 25c; lb. 75c

See next page for other kinds.



R. R.'s Scarlet Gem Radish

Garden Supplies

WE CARRY A FULL LINE OF GARDEN TOOLS, HOSE SPRAYERS, ETC. SEE PRICES, PAGES 94-99.

Routledge Seed & Floral Co's

FRENCH GROWN RADISH SEED



White Icicle (see cut 3).

This superb radish is pure white and most attractive; it is not only crisp and tender when young, but also retains these qualities until the roots attain large size. It is ready for use almost as quickly as the early turnip-shaped sorts, and is excellently adapted for successive sowing so as to give a continuous supply of *tender, crisp* radishes for the table or market throughout the season.

Pkt. 5c; oz. 15c; 4-oz. 30c; lb. \$1.00

Long Brightest Scarlet, White Tipped (see cut 1).

One of the brightest and handsomest scarlet radishes known, and a decided improvement in earliness and color over other varieties of this class. Roots mature quickly and continue in good condition until full grown, when they are larger in diameter, but a little shorter than Early Long Scarlet.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

Scarlet Giant (see cut 6).

The largest early scarlet turnip-shaped radish. But notwithstanding its immense size, does not get hollow and pithy. The flesh is a sparkling white, solid, crisp, juicy and of the mildest flavor. The shape of the bulb varies from round to almost oval, but the bright, deep crimson color of the skin remains quite constant. Excellent for both forcing and open ground.

Pkt. 5c; oz. 15c; 4-oz. 30c; lb. \$1.00

Cardinal (see cut 2).

Grows perfectly straight and smooth, six to seven inches in length. Skin scarlet colored, very thin; the flesh crisp, brittle and of delightful flavor; the finest long, red radish in existence, as it remains a long time in perfect condition for the table, after it is first ready for gathering; it is one of the very best varieties to plant in the home garden.

Pkt. 10c; oz. 15c; 4-oz. 40c; lb. \$1.00

Early Scarlet Turnip, White Tipped (see cut 5).

-A beautiful variety, deep scarlet with white tip. Very early. Has small top and may be planted closely. It is most attractive in appearance, and cannot fail to give satisfaction; very popular as a market sort.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 80c

Early Snowball (see cut 4).

A grand improvement on the White Box or White Turnip Radish; very early; of a clear white color, solid, juicy, crisp, tender and unsurpassed in flavor.

Pkt. 10c; oz. 15c; ¼-lb. 30c; lb. \$1.00

R. R.'s Scarlet Gem (see cut).

This splendid radish is the very finest early strain of the round, bright red radishes. Nothing can surpass its table excellence or its beauty. The skin is bright scarlet, flesh pure white, crisp, tender, and of delicious quality. Unequaled for the home garden.

Pkt. 10c; oz. 15c; 4-oz. 40c; lb. \$1.25

EARLY DEEP SCARLET, OLIVE SHAPED.—This is an excellent deep red olive-shaped sort, typical in its very small tops and early maturing roots.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 80c

WINTER RADISHES.

The merits of Winter Radishes are little appreciated, probably because they are seldom grown, and few people have knowledge of their worth. These grow to large size and keep well for winter and spring use. Sow seed in July and August. Early planting is not advisable. Include some of these in your order.

SAKURAJIMA.—A new radish from Japan; grows to enormous dimensions; globe in shape. The skin is white and the flesh is always crisp and tender. The taste is more delicate than our American varieties. Plant in July for winter use.

Pkt. 15c; oz. 25c; 4-oz. 75c

California Mammoth White.—Pure white, about one foot long and two or three inches through, tapering regularly to tip. The flesh is tender and crisp, keeping well through the winter.

Pkt. 5c; oz. 10c; 4-oz. 30c; lb. \$1.00

China Rose.—Bright rose color, flesh firm and plump, cylindrical, or largest at the bottom, tapering abruptly to small top. One of the best for winter use.

Pkt. 5c; oz. 10c; 4-oz. 30c; lb. \$1.00

Long Black Spanish.—One of the largest, latest, as well as the hardest of radishes. Roots of medium size, oblong, black, and flesh is of firm texture.

Pkt. 5c; oz. 15c; 4-oz. 25c; lb. 75c

Round Black Spanish.—Roots round, sometimes top-shaped, three or four inches in diameter; skin black; flesh white. Fine for winter use as the roots keep a long time.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

For other varieties of Radishes see preceding page.

SQUASH

No. 1—Yellow Bush Scallop

No. 2—White Bush Scallop
No. 3—Crookneck



Summer Varieties

Mammoth White Bush Scallop

The fruit is a beautiful, clear waxy white, instead of the yellowish white so often seen in the old Early White Bush Scallop. It is superior to that variety in size and beauty, and is quite uniformly warted. The handsomest of the scalloped squashes. The stock we offer is exceptionally true to type.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 90c

Yellow Bush Scallop

A very early, flat, scallop variety of large size; color yellow; flesh pale yellow and well flavored. Has a very small seed cavity.

Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 90c

Golden Summer Crookneck

Early and prolific. The fruits are of the true crookneck type, heavily warted, and of light golden color. Fruits when matured are about one foot long. One of the most popular sorts for home and market.

Pkt. 5c; oz. 15c; 4-oz. 30c; lb. 90c

Vegetable Marrow

A large, oblong variety, producing fruit which is dark green at first, becoming marbled and striped with yellow and lighter green as they mature.

Pkt. 5c; oz. 10c; 4-oz. 30c; lb. \$1.00

Fall and Winter Varieties

Boston Marrow

A popular variety, with large, oval fruit; skin bright, reddish orange, with light cream netting; flesh orange, fine-grained and of excellent quality. This is the most popular variety for canning. The fruit makes a rich orange-red and deliciously flavored dish.

Pkt. 5c; oz. 10c; 4-oz. 30c; lb. 90c

Mammoth Chili

The largest of all squashes, growing to an enormous size, often weighing over 200 pounds, while its rich, fine flavored flesh insures its value for all purposes. Its size makes it valuable for stock feeding.

Pkt. 5c; oz. 15c; 4-oz. 50c; lb. \$1.50

Golden Hubbard

The same in size, shape and quality as the well-known Hubbard Squash, except that it is a bright red or golden color, and somewhat earlier. It is also a long keeper. Considered by expert judges to be one of the very best fall and winter sorts yet introduced. Matures before the frosts; is vigorous and wonderfully productive. In flavor it has no equal.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

New Delicious

This new fall and winter squash resembles the old Hubbard, having a dark, olive green, hard shell; average weight is between 5 and 10 pounds. Seed cavity small; flesh exceedingly thick, compact, fine-grained; color golden orange. The paramount merit of this variety is surpassing quality. The flesh is meaty, granulated, tender, and almost of mealy dryness, cooking sweet and rich, whether steamed, baked, boiled or made into pies. This variety may be used in the fall, but in winter the quality is at its best.

Pkt. 10c; oz. 15c; 4-oz. 40c; lb. \$1.25

True Hubbard

One of the best of the winter squashes. Vines vigorous and very productive. Fruit large, heavy, moderately warted, with very hard shell. Skin uniformly dark bronze green. Flesh bright orange-yellow, fine grained, thick, dry and richly flavored. Can be kept in good condition until spring. It is esteemed by many to be as good baked as the sweet potato. Our stock is carefully selected in regard to quality of the flesh and color of the shell and is much superior to most seed offered.

Pkt. 5c; oz. 15c; 4-oz. 40c; lb. \$1.25

USE WILGROW

The greatest garden fertilizer ever known. A spoonful to a squash vine will do wonders. (See page 91.)

SPINACH

Improved Thick-Leaved

A variety which grows very rapidly, forming a cluster of large, very thick, slightly wrinkled leaves of fine color and quality when cooked; best for market gardeners.

Pkt. 5c; oz. 10c; 4-oz. 15c; lb. 40c

Long Standing

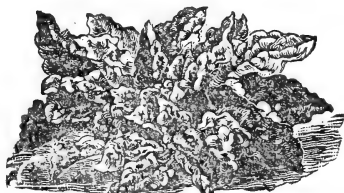
An improved variety of excellent quality for general use; slow going to seed.

Pkt. 5c; oz. 10c; 4-oz. 15c; lb. 40c

Bloomsdale Savoy Leaved

Very early; of upright growth; leaves pointed; plant in the autumn for spring use; grows quickly.

Pkt. 5c; oz. 10c; 4-oz. 15c; lb. 40c



Spinach

When it comes

to cheap prices, we are not in it (we don't want to be); but when you want "quality," something better, that's where we win out.

Try Us

SALSIFY—Oyster Plant

The roots are long and tapering; when cooked has a flavor like oysters. If more people knew how many fine dishes are made out of Salsify Roots, it would be much more extensively planted. Same culture as carrots. Roots good all winter.

Mammoth Sandwich Island.—The best variety of Salsify, being very smooth, of fine quality, pure white and extra large size.

Pkt. 5c; oz. 15c; 4-oz. 50c; lb. \$1.50

SUNFLOWER

Mammoth Russian.—The largest and best for seed.
Per 4-oz. 10c; lb. 35c

Warrenton, Ore., March 8, 1911.

Routledge Seed & Floral Co., Portland, Ore.

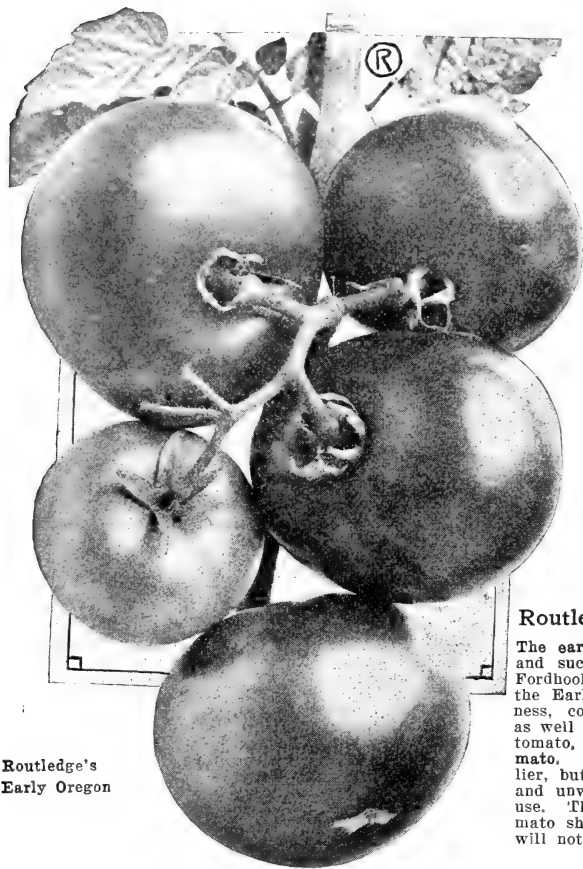
Dear Sirs: We received Fruit Trees and Gooseberries, and they are all right. Never seen better stock.

Yours truly,

MRS. CHADWICK.

TOMATO

Tomato Plants in any quantity. See Vegetable Plant list, page 79.



Routledge's
Early Oregon

COMET (the best tomato for greenhouse forcing).—A recent variety, matchless in form and color. Beautiful, smooth, round fruit in great abundance. Color a rich scarlet-red. Sets very freely in bunches. Equally good for outdoor culture as for forcing.
Pkt. 20c; ¼-oz. 60c; oz. \$2.00

Chalk's Early Jewel

The largest, smoothest and finest flavored, extra early bright red tomato, about 10 days later than Spark's Earliana. It is a heavier cropper, with tomatoes of larger size and sweeter flavor, produced throughout the season. The plants are of bushy, compact growth, heavily loaded with fruit. The tomatoes are of good size, just right for market; are very solid and deep through, being almost round; color bright scarlet, ripening to the stem without cracks or green core. The flesh is thick, solid, of fine flavor, with few seeds. The skin is strong enough to make it a good shipping variety.

Pkt. 10c; oz. 35c; 4-oz. \$1.00

EARLIANA (Sparks).—The earliest tall variety, forming ripe fruit much earlier than any other variety. The fruit is large, smooth, of a bright scarlet color, and of fine quality. Very valuable for early market use. Similar, but far superior, to Atlantic Prize.

Pkt. 10c; oz. 30c; 4-oz. 90c

Routledge's Early Oregon

The earliest of all the good varieties, very hardy and succeeding everywhere. The Early Michigan, Fordhook and Atlantic Prize are good sorts, but the Early Oregon is superior to these in shapeliness, color, size, smoothness, solidity and flavor, as well as being earlier. When we say the earliest tomato, we of course mean the earliest good tomato. There are several sorts a very little earlier, but they are gnarled, ridged, small, tasteless and unworthy the name of tomato, and unfit for use. Those wishing to have the earliest good tomato should raise our Early Oregon. Try it; you will not be disappointed.

Pkt. 10c; ½-oz. 20c; oz. 35c; 4-oz. \$1.20

MATCHLESS.—A tall-growing, prolific variety, with large fruit, which is rather flattened, smooth and uniform; color bright scarlet; for canning and general main crop market there is no better tomato grown. We heartily recommend it.

Extra selected strain, Pkt. 10c; oz. 35c; 4-oz. 90c

DWARF CHAMPION.—A purple-fruited variety, forming a strong, erect, bushy plant 2 feet high; often sold as Tree Tomato; fruit smooth, medium-sized, fairly solid and of good flavor.

Pkt. 5c; oz. 30c; 4-oz. \$1.00

Red or Yellow Cherry.—Fruit small, about five-eighths of an inch in diameter; perfectly round and smooth; fine for pickles and preserves.

Pkt. 5c; oz. 25c

Ponderosa.—A purple-fruited tomato of largest size; vine vigorous and very productive; fruit very solid, fairly smooth and considered of very good quality, especially by those who prefer a tomato quite free from acid.

Pkt. 10c; oz. 40c; 4-oz. \$1.00

STONE.—Grown more extensively than any other for a main crop variety, especially by market gardeners; very large, smooth and solid, of a bright red color and a heavy yielder.

Pkt. 5c; oz. 25c; 4-oz. 75c

Yellow Husk or Ground Cherry.—Used for preserves and eating from the hand. The seed we offer is that of the true Yellow Ground Cherry, not the purple-fruited sort, which is scarcely edible.

Pkt. 5c; oz. 25c

Yellow or Red Pear.—Used for preserves and to make "tomato figs." Fruit distinctly pear-shaped and of excellent flavor.

Pkt. 5c; oz. 25c

TOBACCO

Culture practically same as cabbage.

Havana or Connecticut Seed Leaf.—Both good, hardy varieties for general planting here. Pkt. 5c; oz. 25c

TURNIP

Extra Early Purple Top Milan.—This variety is ready for the table sooner after planting than any other; flesh white, firm and delicate. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 85c

White Milan.—Same as above, but pure white; sweet and tender. Pkt. 5c; oz. 10c; 4-oz. 30c; lb. 85c

EARLY PURPLE TOP (Strap Leaved).—One of the best and most universally grown; flesh firm, but very tender and sweet; of quick growth, it is soon ready for the table and keeps well. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c

EARLY WHITE FLAT DUTCH.—A leading white-fleshed variety, and one of the best, either for the family, market garden or field crop; it is medium size, and produces a large crop; the flesh is firm, but tender, and of a superior rich, buttery flavor; a good keeper. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c

ORANGE JELLY, OR GOLDEN BALL.—Undoubtedly one of the most delicate and sweetest yellow fleshed turnips; not large in size, but firm, hard and most excellent flavor; keeps well and is superior as a table variety. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c

Amber, or Yellow Globe.—One of the best yellow-fleshed varieties; skin also clear yellow; is of large size and fine flavor. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c



Early Purple Top Milan

EARLY SNOWBALL.—A superior table variety, meltingly tender, with snow-white flesh. This delicious turnip is one of the best varieties ever offered. Snowball matures six weeks after sowing, the bulb being small, smooth and perfectly globular. The flesh sparkling white, fine-grained, sweet and tender, with smooth, white, delicate, thin skin. We strongly recommend Snowball to all who want the best early table turnip. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

WHITE EGG.—Is perfectly smooth, of a pure clear white; a very choice kind for table use; of excellent flavor, sweet and mild; pulls clean from ground; thin, snow-white skin. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 65c

Cowhorn (Long White).—Slightly crooked; pure white, except a little shade of green at the top; grows half out of the ground, and is of very rapid growth; is delicate and well-flavored; has proved itself one of the best stock turnips ever introduced in Oregon, as it is an immense yielder. Pkt. 5c; oz. 10c; 4-oz. 25c; lb. 75c

Purple Top White Globe.—A very heavy cropping, globe-shaped variety, with white skin and flesh; excellent flavor and much in favor with the market gardeners. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 50c

YELLOW ABERDEEN.—Round, medium size; light yellow; produces a large crop; is hardy and keeps well; flesh very firm, but tender and sweet; a great favorite with the dairymen. Pkt. 5c; oz. 10c; 2-oz. 15c; 4-oz. 20c; lb. 50c

RUTABAGA, OR SWEDE TURNIPS

For feeding stock in fall and winter, there is nothing superior to turnips and rutabagas, as they are much liked by all kinds of stock, and serve to keep them in good condition. We cannot too earnestly recommend farmers to increase their sowings largely, for we are sure the crop will prove remunerative.

IMPROVED AMERICAN PURPLE TOP.—The leading standard variety, being very distinct in type, attaining a wonderfully large size; immense yielder; the flesh is very firm, superior in every way; valuable alike for all purposes. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c

WHITE SWEET GERMAN.—This variety is most excellent, either for table or stock; it grows to a very large size; flesh white, solid, of a firm texture, sweet and rich; an excellent keeper. Pkt. 5c; oz. 10c; 4-oz. 20c; lb. 60c

HERB SEEDS

POT, SWEET AND MEDICINAL

Herbs in general delight in rich, mellow soil. Those marked with a (*) are perennial. We offer some of the most useful and popular. They should be cut on a dry day, just before they come into full bloom, and tied in bunches and hung up or spread thinly on a floor where they can dry quickly.

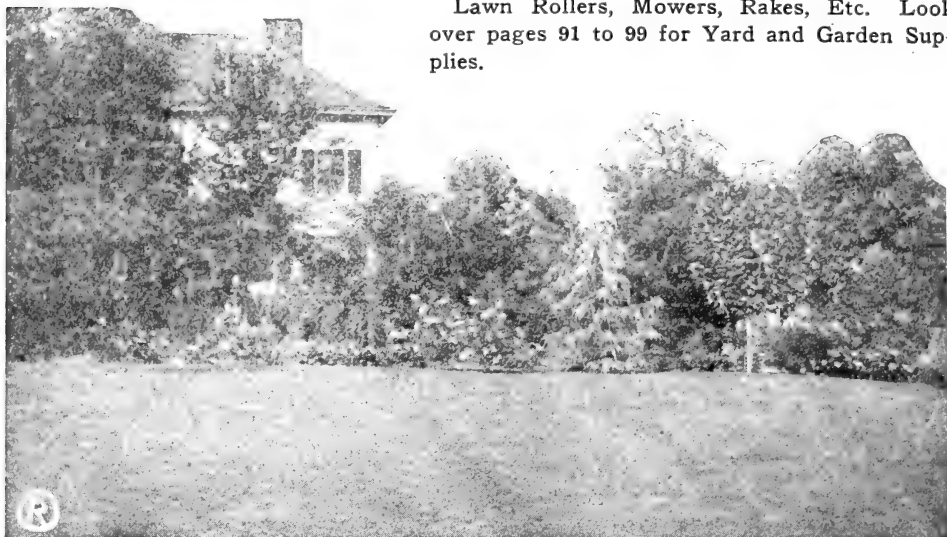
ALL THE FOLLOWING HERBS, 5c PER PACKET

	Oz.		Oz.
Anise.—Seeds aromatic; used medicinally.....	10c	*Horehound.—Bitter; for tonic.....	20c
*Balm.—For culinary purposes.....	25c	*Lavender.—For fragrance.....	20c
Basil.—Sweet; for flavoring soups.....	20c	*Marjoram.—Sweet; for flavoring.....	15c
Borage.—For flavoring; also bee pasture.....	15c	*Rosemary.—Aromatic oil.....	45c
Caraway.—For flavoring.....	15c	Summer Savory.—For flavoring.....	15c
*Catnip (Cat Mint).—Mild nervine for infants.....	35c	*Sage.—For tea flavoring and dressings.....	25c
Coriander.—Used for flavoring.....	10c	Saffron.—For dyeing and powder.....	20c
Dill.—Used medicinally, and for pickles.....	10c	Tarragon.—For seasoning.....	Pkt 10c
*Fennel.—Flavor of celery, but more delicate....	10c	*Thyme (Broad-Leaved).—For soup and flavoring.....	30c
		*Wormwood.—Medicinal use.....	20c

HERB SEEDS FOR FLAVORING—POSTPAID.

Anise.—Anise seed for flavoring.	¼-lb. 15c; lb. 45c	Dill Seed.—Used to flavor soups, stews and pickles.	½-lb. 25c; lb. 45c
Caraway.—For the use of bakers and confectioners.	¼-lb. 15c; lb. 35c	Mustard.—White or yellow.	Oz. 10c; ¼-lb. 15c; lb. 35c
Coriander.—Coriander seed for flavoring.	½-lb. 20c; lb. 35c	Poppy Seed.—Used for flavoring.	½-lb. 25c; lb. 35c

Lawn Rollers, Mowers, Rakes, Etc. Look over pages 91 to 99 for Yard and Garden Supplies.



LAWN GRASS SEED

Upon no one thing does so much depend in making beautiful home grounds as upon a good lawn, for without that velvety green carpet, no place, however, lavishly planned or grandly built, looks finished.

The real lover of nature and the beautiful need never be disappointed in his lawn if care is used in the preparation of the soil and selection of his grass seed. Though we offer separately seed of many of the varieties suitable for the lawn, we consider as very erroneous the somewhat prevalent idea that any single variety of grass seed is preferable or equal to a mixture. Many of these varieties, though of great value as components, have characteristics which render them unsuitable for sowing alone. Kentucky Blue Grass, for instance, often recommended to be used alone, has decided merits and will do fairly well alone, but is of greater value when mixed with other grasses.

R. R.'S EVERGREEN LAWN GRASS

To obtain a good Lawn Grass Mixture, it is necessary that the best possible seed of fine grasses be used in the combination, embracing such varieties as are of neat, close growth, extreme hardness, and adapted to produce a quick, permanent sod. Judicious selection of seed, knowledge of the habits, vigor, quality and hardness of varieties used in the mixture can only be gained by thorough and practical tests under different climatic and soil conditions. After more than 16 years' experience, we offer our Evergreen Lawn Grass Seed Mixture, composed of a thoroughly balanced combination of various native and foreign fine-leaved, deep-rooting grasses of interweaving habit, that will flourish under varied soil and climatic conditions, and which may be depended upon to produce a beautiful, compact evergreen sod that will resist tramping and hard usage, and at the same time present that handsome, velvety appearance so much desired.

Price, 40c per lb. in any quantity; can't be sold for less; 50c postpaid.

Note.—You better spend a few cents or a dollar extra on the seed you buy and have a fine lawn that you'll be proud of. Sow 1 pound seed to 15 feet square for best results.

FAIR GREEN LAWN GRASS.—For those that are not so particular or for ordinary purposes, this mixture will give satisfaction. It is not a cheap mixture; far from it. We know it is equal to most fancy or special mixtures being offered.

Per lb. 80c, postpaid 40c; 10-lb. to 20-lb. lots 25c lb.

Keep Your Lawn Beautiful

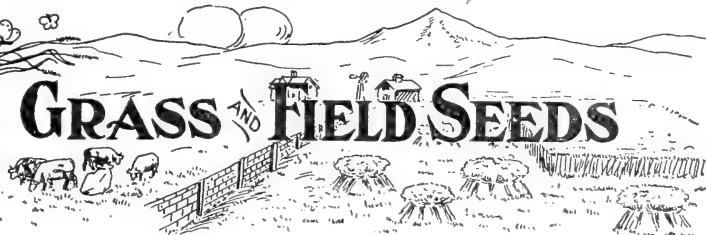
The beauty of any lawn depends largely on two things—Seed and Fertilizer. Many people seem to think that after they have had a nice lawn made, that with water and an occasional cutting it will remain lovely forever. It can't do it. You must feed it. No one has a right to expect a lawn to stand tramping, cutting and the other abuses to which they are subjected without some Plant Food or Fertilizer applied each season. There is nothing better for new or old lawns than "WILGROW." Note.—Stable manure should never be used for new seeding or for top dressing, as it invariably contains a large amount of weed seed, which will ruin the best lawn ever made.

WILGROW is a highly concentrated fertilizer, made principally from whale products. One sack of it contains as much plant food as a ton of ordinary stable manure. WILGROW does not contain weed seed. It is clean to handle and almost odorless. We have sold other fertilizers for years, but have discarded all brands for WILGROW, which has more advantages and merit. (See page 74 for full information.) Use one sack for the average city lawn (one lot) or two sacks worked into the top soil in making a new lawn.

Prices: 1½-lb. box 25c, postpaid 50c; 25-lb. sack, white drill, \$2.00. This is pure fertilizer. Contains no filler, and we know that a 25-lb. sack of WILGROW will give BETTER RESULTS than a 100-lb. sack of the average commercial fertilizer sold by other houses. (See page 91.)

SPRAY PUMPS

Every fruitgrower needs a Spray Pump. We have an excellent line that we'll guarantee to give satisfaction. Catalog on request.



CLOVER SEEDS—ALFALFA

RED (*Trifolium Pratense*).—More extensively grown than any of the other clovers; of very rapid growth; hardy, and succeeds well on any good soil; makes superior hay—especially if mixed with timothy—either for dairy cows or for general use.

Per lb., postpaid, 35c; 10 lbs. \$2.50; 100 lbs. \$23.00

MAMMOTH RED.—Grows very large, and is used almost exclusively for plowing under for manure.

Per lb., postpaid, 35c; 10 lbs. \$2.40

WHITE (*Trifolium Repens*).—Used largely in lawns and permanent pastures. It is perennial and thrives best on moist soil, but easily accommodates itself to a great variety of soils. Its stems are spreading, slender and creeping. Fancy clean seed is very scarce and high; beware of low priced seed this season.

Choice Seed, per lb., postpaid, 45c; 10 lbs. \$4.00

Fancy Seed, per lb., postpaid, 55c; 10 lbs. \$4.50

ESPARSETTE OR SAINFOIN (*Onobrychis Sativa*).—For dry, calcareous soils, which are too barren for clover or alfalfa. Sow 50 pounds per acre.

Per lb., postpaid, 30c; 10 lbs. \$1.75

CRIMSON OR SCARLET CLOVER (*Trifolium Incarnatum*).—A thrifty annual, growing from 20 to 30 inches high. It germinates quickly, grows rapidly and stools abundantly. Cut for hay when in full bloom.

Per lb., postpaid, 30c; 10 lbs. \$1.80

Write for 100-lb. prices when ready to buy.

ALSIKE (*Trifolium Hybridum*).—Valued highly for sowing with other grasses, as it forms a thick bottom, thereby increasing the yield of hay. A perfectly hardy perennial variety, which is rapidly growing in popular favor. Excellent for hay and pasture; valuable for bees; resists both drought and excessive moisture.

Per lb., postpaid, 35c; 10 lbs. \$2.40; 100 lbs. \$21.00

ALFALFA, OR LUCERNE CLOVER (*Medicago Sativa*).—It is no doubt one of the best fodder plants in the West. It should be cut just before coming into bloom. The hay is especially valuable for dairy cows. As soon as cut it immediately commences to grow, and during the hottest and driest weather, when other grasses are parched and withered, it remains fresh and green, and grows as rapidly as ever. On the low lands it is not an unusual thing to harvest five or six crops of hay from the same field in one season without irrigation, and the same result is obtained on high, dry lands where irrigation is resorted to. It will not succeed on hard, clayey soils. The seed should be sown in spring after danger from freezing the young plants is over, or in the fall, early enough to give it a good stand before the frost.

Per lb., postpaid, 35c; 10 lbs. \$2.25; 100 lbs. \$20.00

DRY LAND ALFALFA.—For high, dry, hot land, where irrigation is impossible.

Per lb., postpaid, 35c; 10 lbs. \$2.50; 100 lbs. \$23.00

ABOUT PRICES PLEASE READ FOLLOWING PARAGRAPH ABOUT PRICES

NOTE.—Present prices (December 1, 1911) on Timothy, Kentucky Blue Grass and White Clover are higher than they have been for years, and there is little prospect of a drop this season.

Prices on Grass and Clover Seeds per single pound include postage. Prices per ten, fifty and one hundred pounds are by express or freight, purchaser paying transportation charges. They are subject to market changes.

YOU WILL ALWAYS GET YOUR MONEY'S WORTH.

Prices on Grass and Field Seeds change occasionally, therefore we cannot print prices good for any length of time. When ready to buy, write us for special prices, stating quantity, or order what you want at catalog prices, and we guarantee that we will give you full value for the money sent, whether the price at the time you order be higher or lower. In other words, we will always ship seed to cover the full amount of money sent to us.

GRASS SEEDS

KENTUCKY BLUE (*Poa Pratensis*).—Perennial, 10 to 15 inches; June. Remarkable for its ability to adapt itself to a great variety of soils, succeeding on an average dry soil as well as on a moist meadow. An abundant yielder and presents a handsome green appearance early in the spring, thus making it of great value for lawn mixtures. Also endures the frosts of winter far better than many other grasses. Fancy clean seed is very scarce and high. Beware of low-priced seed this season.

Extra fancy, per lb., postpaid, 45c; 10 lbs. \$3.50

Fancy, per lb., postpaid, 40c; 10 lbs. \$3.00

ORCHARD (*Dactylis Glomerata*).—Perennial; 3 feet; June. Of the greatest value in permanent pasture mixtures on account of its extreme earliness and rapid growth; thrives best in moist, shady places, and will withstand drought exceedingly well, growing when other grasses are drying up. Valued for hay crop, as it is very nutritious if cut early. Its inclination to grow in tufts necessitates other grasses being sown with it.

Per lb., postpaid, 35c; 10 lbs. \$2.25; 100 lbs. \$20.00

TIMOTHY, OR HERD'S (*Phleum Pratense*).—Perennial; 2 to 3 feet; June and July. As a hay crop, timothy is unsurpassed by any other grass. Thrives on ordinary soil, but succeeds best in a moist loam. Remarkably nutritious, especially when ripe, but as it is also hard and coarse at that stage, it is better to cut it when in blossom or soon after flowering. Beneficial to sow timothy with, red top and red clover, as they produce more of a bottom growth. Not suited to sandy or light or gravelly soils.

Per lb., postpaid, 35c; 10 lbs. \$2.25; 100 lbs. \$20.00

ENGLISH RYE GRASS (*Lolium Perenne*).—Perennial; 15 to 24 inches; June. A valuable variety; used for lawn, permanent pasture and mowing mixtures; forms a very compact sward, and if cut when in blossom is very nutritious; very vigorous in most situations.

Per lb., postpaid, 25c; 10 lbs. \$1.25; 100 lbs. \$9.00

GRASS AND CLOVER SEED PRICES ARE SUBJECT TO MARKET CHANGES. READ PARAGRAPH ABOVE

GRASS SEEDS—Continued

Only one grade priced, the best, choice, clean seed. Write for prices in quantity.

ITALIAN RYE (*Lolium Italicum*).—A quick-growing grass, attaining a height of 2½ to 4 feet; very desirable for meadows or permanent pastures; thrives best on soils that are slightly moist, and will even stand considerable overflow; grows easily and bears an abundance of foliage that makes the best and sweetest hay imaginable.

Per lb., postpaid, 25c; 10 lbs. \$1.00; 100 lbs. \$9.00

BROMUS INERMIS (*Russia Forage Grass—Awnless Brome Grass*).—This *Bromus*, on account of its strong perennial character, and its unusual drought-resisting powers, is the best grass we have for the semi-arid regions of the Northwest. It will stand the longest drought of all forage plants. Its running roots take a deep and permanent hold upon the land, and it will replace, in a large degree, the fast-disappearing bunch grasses of Eastern Oregon and Eastern Washington, where it has done well. It grows luxuriantly, is freely eaten in either the dry or green state by cattle, and yields enormously, making the best of hay for horses or cattle. It is perennial, and yields from 4 to 6 tons to the acre.

Per lb., postpaid, 30c; 10 lbs. \$1.50; 100 lbs. \$13.00

RED TOP (*Agrostis Vulgaris*).—Perennial, 1 to 2 feet; July. Of great value for mixing with lawn, hay or permanent pasture grasses; will succeed in nearly any soil, but thrives best in a rich, moist soil; makes a fine bottom growth, rendering it invaluable to be sown with grasses, such as timothy and orchard; should be fed close if for pasture, as it is not relished after it grows up to seed.

Choice seed, not hulled, per lb., postpaid, 30c; 10 lbs. \$1.80; 100 lbs. \$17.00.

Fancy Hulled seed, per lb., postpaid, 40c; 10 lbs. \$3.00.

MESQUITE (*Holcus Lanatus*).—It is usually sown on virgin soil, without cultivation, after the ground has been burned over; sow about 15 pounds seed to the acre.

Per lb., postpaid, 30c; 10 lbs. \$2.25; 100 lbs. \$20.00

MEADOW FESCUE (*Festuca Pratensis*).—Perennial, 18 to 24 inches; June and July; one of the most valuable grasses, succeeding in any good soil, though preferring moist places; very nutritious; largely used for a permanent pasture.

Per lb., postpaid, 30c; 10 lbs. \$2.25

RHODE ISLAND BENT (*Agrostis Canina*).—Perennial, 1 to 2 feet; June and July. Forms a very fine turf even on light soils; desirable for lawns, as it forms a very close sward; resembles red top in appearance. Sow 3 bushels to the acre.

Per lb., postpaid, 45c; 10 lbs. \$3.50

CREeping BENT (*Agrostis Stolonifera*).—Perennial, 1 to 2 feet; July. A grass desirable for either lawns or permanent pasture on account of the firm and enduring turf it produces; specially adapted to moist situations.

Per lb., postpaid, 45c; 10 lbs. \$3.50

TALL MEADOW OAT (*Arrhenatherum Avenaceum*).—Perennial, 2 to 4 feet; May and June. Remarkable for its luxuriant early growth in spring, and also for heavy crops in fall. Indispensable for a permanent pasture, especially on rich uplands.

Per lb., postpaid, 35c; 10 lbs. \$1.80

HARD FESCUE (*Festuca Duriuscula*).—Perennial, 18 to 24 inches; June. The most vigorous of the dwarf-growing grasses; thrives well in dry soils; comes early and withstands long droughts; very nutritious as a hay crop and valuable for permanent pasture.

Per lb., postpaid, 35c; 10 lbs. \$2.25

SHEEP'S FESCUE (*Festuca Ovina*).—Perennial, 6 to 18 inches; June and July. Named on account of the great liking shown for it by sheep; very low-growing, and especially adapted for dry upland pastures.

Per lb., postpaid, 35c; 10 lbs. \$2.25

SWEET VERNAL ANNUAL (*Anthoxanthum Odoratatum Puelii*).—Valued chiefly for its odor.

Per lb., postpaid, 35c; 10 lbs. \$3.00

SWEET VERNAL, TRUE PERENNIAL (*Anthoxanthum Odoratatum*).—Perennial, 1 to 2 feet; May and June. Prized for hay and pasturage on account of its delicious fragrance.

Per lb., postpaid, \$1.00

FIELD AND MISCELLANEOUS FARM SEEDS

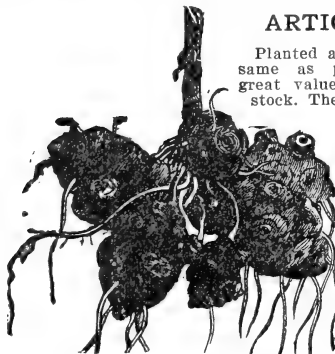
Single pound prices include postage. If ordering by freight or express, deduct 10c per pound. Ten, fifty and one hundred pound prices subject to market changes. Seed to cover amount remitted always sent unless otherwise ordered. See notes page 33. Write for prices on larger quantities when ready to buy.

ARTICHOKES

Planted and cultivated same as potatoes. Of great value for feeding stock. They are the best hog feed known.

They are remarkable for their fattening properties, great productiveness, over 1000 bushels having been raised on 1 acre. Easier to grow than potatoes.

They need not be dug. If hogs are turned in on



Artichoke Tubers

them they will help themselves by rooting. One acre will keep from twenty to thirty hogs in fine condition from October until April, except when the ground is frozen too hard for them to root. They are also said to be a preventive of cholera and other hog diseases, and they are also highly recommended for milch cows, increasing the yield of milk, and at the same time improving their condition. Plant 10 bushels per acre early in the spring.

White French, most profitable variety, per lb., postpaid, 15c. By freight or express, peck, 50c; ½-bu. 75c; bu. \$1.25; 5-bu. \$5.50; 10-bu. \$10.00.

BUCKWHEAT

SILVER HULL.—A very good and popular variety; grain is of a light gray color; has a thin husk; matures early, and yields heavily; a good milling variety.

Per lb., postpaid, 20c; 10 lbs. 75c; 100 lbs. \$5.00

JAPANESE.—Good yielder, ripens early; excellent for bee pasture.

Per lb., postpaid, 20c; 10 lbs. 75c; 100 lbs. \$5.00

BARLEY

BEARDLESS.—The earliest barley known. The straw is about the height of the common barley, but better, and will stand up on any land; with good season, land has produced 80 bushels per acre. Sow as early as you can; frost does not hurt it. Many farmers will not grow barley on account of the long, harsh beards, which are so disagreeable in threshing, although it is a profitable crop. This is beardless, and as easy to grow and handle as oats. It is becoming more popular each season.

Per lb., postpaid, 15c; peck 50c; bu. \$1.50

WHITE HULLESS (*Bald Barley*).—A grand barley for stock feeding. Grain plump, heavy, and when threshed is hullless like wheat; a heavy cropper. When grown and cut for hay it produces a magnificent crop, which is very rich and almost equal to a grain feed. Much relished by horses and stock of all kinds. An excellent hog feed. Culture same as common barley.

Per lb., postpaid, 20c; peck 60c; bu. \$1.75

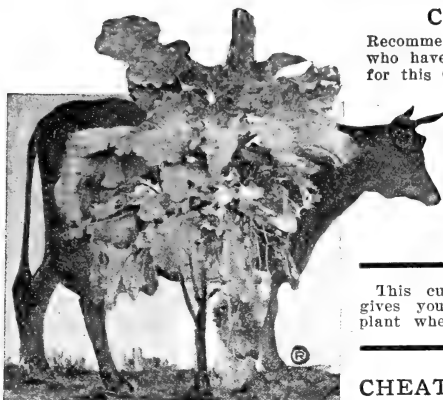
COMMON.—We always aim to have a nice, clean stock of good seed barley on hand at all times.

Per lb., postpaid, 15c; bu. \$1.25

Single pound prices on Grass Seed include postage. In ordering by freight, deduct 10c per lb. Ten, fifty and one hundred pound prices subject to change. See notes page 33. For amount of seed to sow per acre see table inside back cover.

FIELD AND MISCELLANEOUS FARM SEEDS—Continued

Prices on farm seeds subject to change. See note, page 33. When ready to buy, write sending list wanted. Seed tables inside back cover.



Thousand-Headed Kale

overflow without harm. It makes an excellent hay for cows or horses, but should be cut before it gets too ripe. Sow in the fall or early spring, same as oats, and about 100 pounds per acre.

10 lbs. 50c; 100 lbs. \$2.50. Per lb., postpaid, 15c

COW PEAS

These so-called "Cow-Peas" are really a small bean of strong running growth, with a large and abundant, glossy, dark green foliage. Desirable for enriching the soil and for furnishing a large crop of nutritious forage, although we believe field peas are better for most locations here. The vines may be cut either for feeding green or can be cured like clover for winter use. Sow two bushels per acre.

10 lbs. \$1.00; 100 lbs. market price. Per lb., postpaid, 25c

FIELD CORN

If you want to raise some good Field Corn, plant our Northwestern grown Seed Corn. The strains we are offering you are acclimated and especially adapted to our short, cool summers. Eastern and Southern grown field corn seed is all right for green fodder, but of little value on this Coast, if you want to raise matured, dry ears.

ROUTLEDGE PRIDE OF THE WEST—Yellow Dent

(Sample Ears on Display at Our Store.)

This new Field Corn is a grand success in Oregon. Our grower, C. E. Holtgrieve, has been raising this variety for five years, and by selecting the earliest ripening and best select ears, now has a strain that is a revelation to many people who have thought Oregon and Washington could not raise profitable field corn.

Last year was the first season we sold this seed, and reports from all sources are most favorable. One customer, a new settler in Oregon, wrote as follows: "My neighbors, when they saw me planting your Pride of the West Corn, said that it was no use; it wouldn't mature; but last week (September 10) I began harvesting my crop, and am glad to write that it produced a good crop of handsome, ripe ears of good size and quality." You will get many orders from this section next season."

Routeledge Pride of the West field corn is an early maturing variety, producing stalks from 8 to 10 feet high, and large ears, 8 to 9 inches long. Cobs covered with 14 to 16 rows of deep, yellow kernels. It is a heavy yielder. Our grower reports having harvested this year 82 bushels per acre—going some, eh? Plant some of this corn this season; you will be pleased with results, we are sure.

Stock limited, so order early. Large Pkt. 10c; lb. 20c, postpaid. By freight or express, lb. 10c; 10 lbs. 85c; 100 lbs. \$7.50.

OREGON WHITE DENT

Similar to above, except that seed is white; a good cropper and preferred by some. Same price as above. Acclimated Oregon-grown.

HOLTGRIEVE SPECIAL

(Sample Ears on Display at Our Store.)

This is a Whitecap Yellow Dent Corn, producing handsome ears 10 to 11 inches long, covered with 16 straight rows of fine quality, deep golden corn, showing a white or light yellow cap. It makes a fine looking ear, and matures up well. This corn evidently contains a strain of the flint, for the kernels are harder, more flinty and not so deep as Pride of the West, and matures a little earlier.

Large Pkt. 10c, lb. postpaid 20c; by express or freight, 10 lbs. 85c; 100 lbs. \$7.50.

MINNESOTA KING and PRIDE OF NORTH

We can supply these two varieties if wanted, at market prices, but we recommend our other varieties.

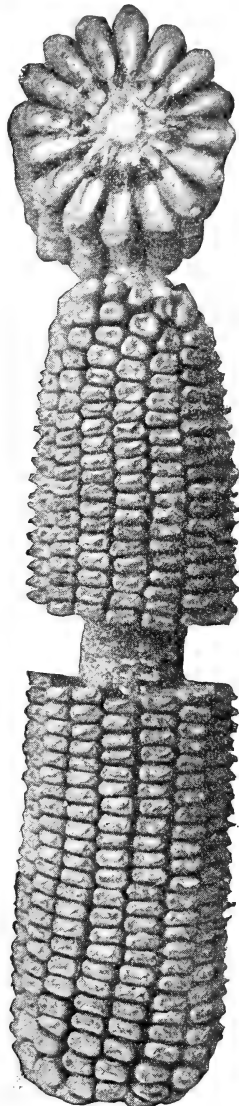
COW KALE—Thousand-Headed Kale

Recommended by agricultural colleges, granges and dairymen who have tested it as one of the most valuable forage plants for this Coast. It grows rapidly and produces a mass of thick, curly green leaves, rich and succulent, which are eagerly eaten by sheep, cattle and horses. Especially recommended for green feed during the dry summer months. Sow in drills two to three feet apart, four pounds to the acre, and thin out as needed. Makes the most rapid growth if sown in the early spring, but can be sown in summer and fall for winter feed. Will stand light freezing. Stalks can be cut off, or the larger lower leaves broken off, leaving the tops to grow. Pkt. 5c; oz. 10c; ¼-lb. 20c; lb., postpaid, 60c

This cut is from ph., and gives you a good idea of the plant when well grown.

CHEAT SEED

Cheat yields a good crop of hay, especially on low or moist soil, and will stand considerable



Routeledge Pride of the West

FIELD AND MISCELLANEOUS FARM SEEDS—Continued

Prices of farm seeds subject to change. See note, page 33. Seed tables inside back cover.

FIELD PEAS

Field Peas are a very profitable crop and are grown here very extensively.

WHITE CANADIAN.—A leading and most popular kind; seed almost white; a heavy cropper. 10 lbs. 60c; 100 lbs. \$4.50. Per lb., postpaid, 20c

BLUE PRUSSIAN.—Very much like the above except in color; used extensively for soup pea. 10 lbs. 60c; 100 lbs. \$5.00. Per lb., postpaid, 20c

KAFFIR CORN

An excellent fodder plant. It does best sown in drills three feet apart. 10 lbs. 60c; 100 lbs. \$4.50. Per lb., postpaid, 25c

MILLETS

Sow in April, May or June, 12 pounds for seed or 20 pounds for hay per acre.

Early Fortune

This variety seems to do extra well here; try it. Heads large and loose, and seed is amber red and three times as large as the German.

10 lbs. 75c; 100 lbs. \$6.50; per lb., postpaid, 25c

GERMAN.—An improved variety, yielding a larger crop of seed than the common millet. It is also taller than the common, and yields a heavier crop of hay. 10 lbs. 65c; 100 lbs. \$5.50; per lb., postpaid, 20c

HUNGARIAN.—A dwarf annual millet. It is finer than the common or German millets, but produces a closer stand, and yields almost as much per acre as the taller varieties; superior for hay.

10 lbs. 70c; 100 lbs. \$6.00; per lb. postpaid, 20c.

For price on Millet for feed, see Poultry Foods.

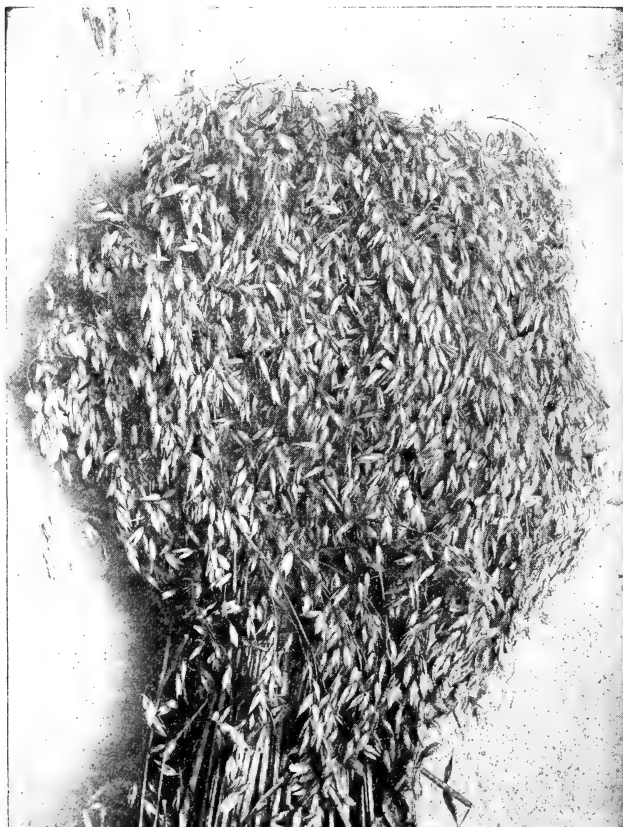


Millet

MONEY MAKING

SEED OATS

OF SPECIAL MERIT



Routledge Prize Oats.

This wonderful new oat, introduced by us in 1908, has proved in growing contests all we claimed for it. **Routledge Prize** certainly is a prize oat, and a real prize-winner at the county fairs wherever it has been shown. This grand oat belongs to the tree or branching class, and is a vigorous, healthy grower of strong stooling qualities and need not be seeded as heavily as most oats. (1½ to 2 bushels per acre is ample.)

This is the heaviest yielding oat introduced to date. From several hundred samples we sent out, spring of 1908, the lightest yield reported was over 100 bushels per acre, and from that up to 200 and 300 bushels—simply enormous.

Farmers, why not double your oat yield? There is not a Western farmer who cannot afford to invest at least \$2.00 to get a start of this great and profitable new oat.

Routledge Prize Oat is a very early, drought-resisting variety. Grain good size, plump and heavy. White seeded variety.

We advise early orders.

Prices: By mail, postpaid, 1 lb. 25c; 4 lbs. 75c. By freight or express, peck 60c; ½-bu. \$1.00; 1-bu. \$1.60; 3-bu. \$4.50.

Read the reports on next page.

Routledge Prize Oats (from photograph)

DON'T

PRACTICE FALSE ECONOMY BY BUYING LOW-PRICED SEEDS. OUR MOTTO—QUALITY FIRST, PRICE AS LOW AS WE CAN MAKE IT.

SEED OATS—Continued.

Reports on Routledge Prize Oats.

WON FIRST PRIZE

Routledge Seed & Floral Co.

Gentlemen: Three cheers for the Routledge Prize Oats. I just received the "blue ribbon" **FIRST PRIZE** on a bundle of your Prize Oats I grew and placed on exhibit at Clarke County Harvest Show and Fair.

Routledge Prize are the finest oats ever grown in Clarke County. From seed obtained from you last spring, I harvested on an average of 108 bushels per acre (42 lbs. per bushel), on high land not fertilized. Could have reported a much heavier yield if the pheasants and squirrels had not destroyed so much grain along the fence near the timber. They are a splendid oat, grow about five feet high and matured early. I advise all farmers to grow this grand oat. Yours truly,
Oct. 10, 1910. (Signed) JOHN HALKYER.

NEW GIANT—Side Oat

The earliest, most prolific and surest cropper. Wherever this oat is seen it speedily comes into great favor. For a spring oat for seeding in March and April it is unquestionably the best; matures early; is free from rust; makes a vigorous growth, and produces a remarkably good yield of clean, bright, heavy grain.

Price: Per lb. 20c, or 4 lbs. for 60c, postpaid. By express or freight, per peck 50c; per bu. \$1.50; 3 bu. \$3.50.

WHITE, GRAY OR BLACK SEED OATS

We always aim to have a selected, re-cleaned stock of good White, Black or Gray Seed Oats. Can sell them at about market price for No. 1 seed. When ready to buy, write us for prices, stating quantity wanted, or order at \$1.00 per bu., 3 bu. \$2.50, and you will get good value.

If you keep Chickens you need an Incubator.

Listen to what Chas. F. Townsend, president of the National Poultry Association, says:

"In our extensive tests of incubators we found several of the 'right' kind, but none of them appealed to me so strongly as did the 'Buckeye.' We had one that cost only eight dollars. That machine was 'it' every minute. It just ran itself—did its own regulating and supplied its own moisture. And hatch? It hatched every hatchable egg we ever put in it. That 'Buckeye' incubator appealed to me because it required practically no attention, it hatched every hatchable egg, and it didn't cost much money. I am now using Buckeye incubators exclusively."

Buckeye incubators are **GUARANTEED** to hatch every hatchable egg and remain in perfect working order for five years. (See pages 101-102.)

You better try a Buckeye, from \$8.00 up.

POTATOES for Seed, page 26.

RYE—FOR SEED

Per lb., postpaid, 15c; peck 50c; bu. \$1.50

RAPE, DWARF ESSEX

We offer you true, pure seed. One of the best forage plants, on account of the large amount of green feed it will produce at a season of the year when everything else is dried up. It has yielded ten tons of green forage per acre, and has twice the feeding value of green clover. Sheep, swine, cattle and poultry eat it readily. Rape will do well on almost any soil. Prepare the ground as for turnips, and sow any time from May till September; or plant it with grain. Sow, per acre, four pounds, in drills; or, if broadcast, eight pounds.

Per lb., postpaid, 25c; 10 lbs. \$1.10; 100 lbs., market price

SPELTZ

It will grow well and produce immense crops on poor soil. Dry weather seems to have no bad effect on it. After the grain is threshed out, the straw makes good hay. The grain has a hull, something like barley. Sow in the spring, the same as wheat, at the rate of two bushels per acre. Cut when the grain is past the middle stage of milk, when it will make splendid grain and lots of rich straw hay. Thresh like wheat, only not so closely. Can be fed whole, rolled like barley, or ground.

Price per lb. 20c; peck 50c; bu. \$1.50

VETCHES

OREGON VETCH (*Vicia Sativa*).—Oregon's greatest forage plant. Often called Fall Vetch. This is a species of the pea, and is grown very extensively in Western Oregon and Washington, especially in the Willamette Valley and on the Oregon coast. It furnishes an abundance of excellent feed, either green or dried. The seed should be mixed with an equal weight of some variety of wheat, oats, or rye having a stiff straw, and the mixture sown at the rate of two bushels per acre. Sow in the fall or early spring.

Per lb., postpaid, 20c; 10 lbs. 50c; 100 lbs. \$3.25

HAIRY SAND OR WINTER (*Vicia Villosa*).—This variety thrives on poor arid, sandy soils. It is sown in the fall or spring, mixed with rye, which serves to support the plants. Sow 20 pounds per acre.

Per lb., postpaid, 25c; 10 lbs. \$1.25

WILD RICE—*Zizania Aquatica*

For planting in duck ponds. If you are interested in wild rice, write us. We have made a success of growing it, but not with ordinary dry seed.

SEED WHEAT

When ready to buy, write for prices or order amount you want at the rate of \$2.50 per 100 lbs., and we will send you full value in the best seed obtainable in the Portland market.



Vetches

Single pound prices on above Seed include postage. In ordering by freight, deduct 10c per lb. Ten, fifty and one hundred pound prices subject to market changes. See notes top page 33. For amount of seed to sow per acre, see table inside back cover.



Our flower seeds are grown by specialists and are unsurpassed. The following list contains a general assortment of the choicest and most popular and easiest grown flowers for conservatory, greenhouse or garden culture.

CULTURAL DIRECTIONS.

Cultural directions are printed on the back of nearly all packets.

Flowers usually succeed best in a sandy loam, made rich with well-rotted manure, which should be made fine and thoroughly mixed with the soil. A soil thus prepared will remain moist and loose, so that flower seeds, which are generally small and delicate, will germinate and grow with vigor.

At any time we will cheerfully supply any information as far as we are able pertaining to gardening or floriculture, and solicit correspondence from our customers.

Annuals grow from seed, flower, mature their seed, and die in one year, or, in other words, the same season.

Half-Hardy Annuals are those which should be started early in the house, conservatory or hotbed, and transplanted to the garden in settled warm weather.

Hardy Annuals are those which can be sown in the open ground.

Biennials grow from seed, sown from June to August, flower, ripen their seed and die the next year, though some varieties bloom the same season if sown early in gentle heat.

Hardy Biennials will winter in the open ground without protection.

Perennials grow from seed, and continue flowering annually for many years after the first season.

Some varieties flower the first season if planted early in gentle heat.

Half-Hardy Biennials require the protection of a cold-frame or coolhouse during winter.

Hardy Perennials can remain in the open ground during winter without protection.

Half-Hardy Perennials require the protection of a coldframe or coolhouse during winter.

Tender or Greenhouse Perennials require window or greenhouse culture, free from frost during winter, and thrive in the garden during the warm months.

ACROCLINIUM

Hardy annual, with everlasting flowers; good for cutting; flowers double white, 1 foot; July to October. Album, Fl. Pl. or Mixed, Pkt. 5c

AGERATUM

Half-hardy annuals, especially well adapted to edge large beds of geraniums, salvia, coleus, or cannas; flower continuously through the summer.

Mexicanum.—Dwarf, blue. Pkt. 5c; ½-oz. 25c

Album.—Pure white, dwarf. Pkt. 5c

Finest Mixed. Pkt. 5c

Dwarf Little Blue Star.—New; one of the handsomest blue-flowered dwarf edging plants; grows 5 inches high, and is just covered with small, bright blue flowers. Pkt. 20c

AGROSTEMMA

Coeli-Rosa (Rose of Heaven).—Superb free-flowering, hardy annual, rose-colored flowers; fine for cutting; height 1½ feet; July to September. Pkt. 5c



Aquilegia.

ALOYSIA—Lemon Verbena

Citridora.—A greenhouse shrub, valuable for the fragrance of the foliage; 2 feet. Pkt. 10c

ALYSSUM

One of the most popular hardy annuals, used especially for edging and also valuable for cutting on account of the fragrance of flowers.

Sweet.—Pure white; 6 inches; June to November. Pkt. 5c; oz. 35c

Little Gem.—The dwarfiest and best for design bedding; plants very compact and bushy, and grow only 3 inches high. Pkt. 10c; oz. 60c

Saxatile Compactum (Gold Dust).—Hardy perennial; yellow flowers; April to June; height 9 inches. Pkt. 10c; ½-oz. 20c

AMARANTHUS

Caudatus (Love-Lies-Bleeding).—Hardy annual. Ornamental foliage plant; fine for bedding; green foliage with long, drooping crimson racemes; 2 feet. Pkt. 5c

Cruentus (Prince's Feather).—Dark red foliage and feathery flowers; 2 feet. Pkt. 5c

Tricolor (Joseph's Coat).—Red, yellow and green. Pkt. 25c

ANTIRRHINUM—Snapdragon

Half-hardy perennial and annual. Blooms in July if sown early in the house. One of our finest cut flowers.

Queen Victoria.—New, tall; very large, pure white; superb. Pkt. 15c; ¼-oz. 50c

Aurora.—New; semi-dwarf; clamber scarlet, white throat. Pkt. 25c

Tall Giant, Finest Mixed.—Our seed of this exceptional fine quality comes from a specialist in England, and is without doubt the choicest strain. Pkt. 10c; ¼-oz. 25c

Dwarf, Finest Mixed Pkt. 10c; ¼-oz. 30c

AQUILEGIA—Columbine

Hardy perennials. Are most elegant plants and invaluable for cut flowers; moist situations; plenty of sun. Used in rockeries. (See cut.)

Benary's Long Spurred.—Superb mixture. Pkt. 15c; ¼-oz. 25c

Rose Queen.—Beautiful rose color, with white center, yellow anthers. New. Pkt. 25c

Single Finest Mixed. Pkt. 5c; ¼-oz. 20c

Double Finest Mixed. Pkt. 5c; ¼-oz. 20c

ARABIS—Rock Cress

Alpina.—Hardy perennial; pure white flowers in close head; excellent for edging, rockwork or dry situations; 6 inches; April to June. Pkt. 10c

ASPARAGUS

Plumosus Nanus.—A graceful pot plant for either house or conservatory; very finely cut foliage. Pkt. 25c; 100 seeds \$1.00

Sprengeri.—Drooping foliage; adapted for hanging baskets or cutting. Pkt. 10c; 100 seeds 50c

ASTERS

We take the utmost pains to select seeds from the most perfect flowers only, and wish to assure our patrons that our strains are the superiority of perfection.

IMPROVED GIANT CREGO.

The most beautiful and desirable aster we have ever seen. Very hardy free-flowering and one of the best for general planting. The plant is a strong, healthy grower, and will produce 12 to 15 long stemmed flowers of the most graceful and pleasing style (see cut). With ordinary care you can grow flowers measuring 5 to 6 inches across. We won first prize at Salem State Fair, 1911, with crego asters. Pure White, Shell Pink, Rose Pink, Purple or Mixed. Pkt. 15c; 1/8-oz. \$1.00

NEW GIANT COMET.

Considered by many to be the most beautiful of all the Asters (see cut). It is an ideal cutting variety, as each plant bears a number of exquisitely formed large flowers on long, stiff stems. Pure White, Crimson, Violet or Finest Mixed. Pkt. 10c; 1/4-oz. \$1.00

The Bride.—New and lovely shade; white passing to rose. Pkt. 15c; 1/4-oz. \$1.25

ASTER PLANTS

And all popular annual bedding plants supplied in season. See pages 6 to 7.



Improved Giant Crego Aster.

QUEEN OF THE MARKET.—Most valuable for early cutting. The plants branch freely, and produce a great many well-formed flowers nearly a month in advance of the later sorts.

White, Pink, Lavender or Finest Mixed, Pkt. 10c; 1/4-oz. 50c

HERCULES.—New. A gigantic flower of the purest white; long wavy petals give it the appearance of a chrysanthemum. A most desirable type, produced on long stiff stems. Ideal for cutting, garden or pot culture. Pkt. 20c; 1/8-oz. \$1.50

LADY ROOSEVELT.—A new giant late-flowering, long-stemmed chrysanthemum aster. It has heavy incurving petals; flowers very large and gorgeous pink. Excellent seller as a cut flower; good until frosts. Pkt. 15c; 1/8-oz. \$1.00

VICK'S MIKADO PINK.—In size and beauty equals the Crego, and comes into bloom about 10 days earlier. A most exquisite shade of lavender pink. A profuse bloomer. Pkt. 10c; 1/8-oz. \$1.00

SUPERB LATE BRANCHING.

The most popular late-flowering aster.

Flowers are very large in size and borne on long, stiff stems, 2 to 2 1/2 feet high, which, together with the ideal form of the bloom, at once places them at the head of our September flowers. The petals are long, giving a chrysanthemum-like appearance to the flower, which greatly enhances its beauty. (See cut.)

Crimson, Dark Blue, Light Blue, Rose, Pink, White or Finest Mixed. Pkt. 10c; 1/4-oz. 60c

BABY'S BREATH.—See Gypsophila, page 43.

BACHELOR'S BUTTONS.—See Centaurea, page 41.

BALLOON VINE

Annual climber; flowers white; seed vesicles like small balloons; pretty foliage; grows rapidly; height 8 feet. Pkt. 5c; 1/4-oz. 15c



Aster—New Giant Comet.

USE "WILGROW"

The best Fertilizer known—A teaspoonful to a plant does wonders. See page 91.

BALSAM

Hardy annual, succeeding best in sunny situations, rich loam and moisture. Very showy and of easy culture; 1½ feet. July to September.

Prize Mixture.—This strain will produce the most perfectly formed double flowers in the greatest variety of colors. Pkt. 10c; ¼-oz. 25c

Improved Camelia-Flowered.—Large, extra double flowers. Finest Mixed, Pkt. 10c; ¼-oz. 25c

BEAN

Scarlet Runner.—The well-known, rapid-growing annual climber, with bright red flowers, from July to September; height 8 feet.

Pkt. 10c; oz. 20c; ¼-lb. 50c

BELLIS—Double English Daisy

Popular spring flowering perennial; height 4 inches.

April to September. Double Mixed, Pkt. 10c

Longfellow.—Large, dark rose; long-stemmed flowers. Pkt. 10c

Snowball.—Pure white. Pkt. 15c

Giant Red.—Very rare. Pkt. 25c

BOCCONIA—Plumed Poppy

Hardy perennial; large heart-shaped, glaucous, deep-veined foliage; immense panicles of creamy flowers; July to September; 6 to 8 feet.

Japonica, or Cordata. Pkt. 10c; ¼-oz. 15c

BROWALLIA

A very profuse blooming, half-hardy annual bedding plant, bearing during summer and autumn handsome winged flowers of different shades of blue; 1½ feet. Finest Mixed, Pkt. 10c

CALCEOLARIA

An ornamental plant, and a universal favorite for decorating the greenhouse, or conservatory; produces a mass of beautiful pocket-like flowers of brilliant, self-colors and spotted. Our strains of Calceolaria are very fine.

Hybrida Grandiflora.—Flowers of immense size; seeds saved from finest specimens. Pkt. 25c

Rugosa Major (Perennial Hybrid).—Fine mixed; somewhat larger than preceding; excellent. Pkt. 25c

CALENDULA—Pot Marigold

Hardy annual; one of the most universal garden flowers. This is the Marigold of Shakespeare's time. The flowers appear in solitary heads on stout stalks; large, with flat spreading rays; very showy; flowers the entire season; 1 foot.

Double Finest Mixed, Pkt. 5c; ¼-oz. 20c

CALLIOPSIS

Showy and beautiful free-flowering annuals, of the easiest culture, doing well in any sunny position, blooming all summer and excellent for cutting and massing. It is best to sow them where they are to bloom, thinning out to stand 6 inches to 12 inches apart.

Finest Tall Mixed.—Annual; all shades of yellow, red and brown. Pkt. 5c; ¼-oz. 20c

Hybrida Superba.—Showy new shades. Pkt. 10c; ¼-oz. 20c

Golden Ray (Radiata).

—This new calliopsis is one of the most beautiful and free flowering. From out of the dark brown center the leaflets shade into bright golden yellow rays, thus giving each flower an elegant and striking appearance. Bushes compact and about 10 inches high.

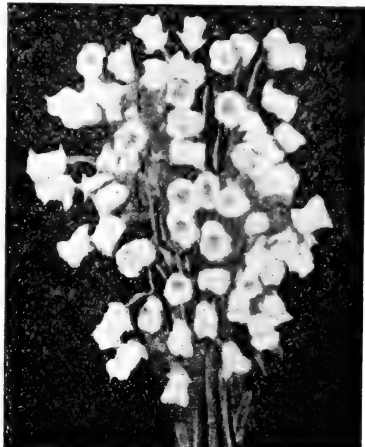
Pkt. 20c



Calliopsis—Golden Ray.

CALLIRHOE—Poppy Mallow

Hardy perennial; beautiful trailing plant, with palmate foliage; flowers large, crimson, with white center; fine for rockwork; 1 foot; June to October. *Involuerata.* Pkt. 5c; ¼-oz. 25c

**CAMPANULA—Bellflower**

Well-known, beautiful, hardy herbaceous perennials, bearing a great profusion of attractive bellflowers; thrives best in light, rich soil; some of the varieties flower the first season if sown early

Persicifolia Grandiflora (Peach Bells).—Undoubtedly one of the finest of the hardy Bellflowers; grows 2 to 3 feet high, with large flowers.

Blue, White or Mixed, Pkt. 10c; ¼-oz. 50c

Persicifolia Gigantea Moerheimi.—A beautiful, new variety; 2 feet high. In June and July bears spikes of large, double pure-white flowers.

Pkt. 25c; 1-lb-oz. \$1.50

Pyramidalis (Chimney Bellflower).—Stately, hardy perennial, either for garden or pot culture; 3 feet.

Blue or White, Pkt. 5c; ¼-oz. 20c

Carpatica (Carpathian Hare-Bell).—Free-flowering, hardy perennial, continuing in bloom the whole season; color clear blue or white; grows 6 inches high; especially good for edging. Pkt. 5c; ¼-oz. 20c

CANTERBURY BELLS—**Campanula Medium**

Very ornamental garden plants of easiest culture; excellent for cutting; hardy biennial; 2½ feet high, producing large bell-shaped flowers of exquisite colors. See Campanula (Bellflower) above for perennial class.

Single Finest Mixed, all colors. Pkt. 5c; ½-oz. 20c

Double Blue, White, Lilac, Rosy Carmine or Mixed. Pkt. 10c; ½-oz. 30c

R. R.'s Prize Mixture.—Biennial; a perfect strain, which contains every color of both single and double flowers (including Calycanthema). Pkt. 10c

Calycanthema (Cup and Saucer Canterbury Bells). This is unquestionably one of the finest types. They have an extra large calyx, which is of the same color as the flower, giving the appearance of a cup and saucer. Lilac, Rose, White or Mixed. Pkt. 15c; 2 for 25c

CANARY CREEPER

A rapid-growing summer-climbing annual, 10 to 15 feet high. It will cover trellis work in the most graceful manner, producing hundreds of pretty fringed, bright yellow flowers. Pkt. 5c; ¼-oz. 20c

CENTAUREA—Dusty Miller

These are grown for foliage only, and make excellent plants for edgings. They are hardy annuals and grow rapidly. The leaves are silver-coated. **Candidissima**.—Thick white leaves; 1 foot. Pkt. 10c
Gymnocarpa.—Pine, fern-like leaves, very graceful and showy; 1 foot. Pkt. 10c

CENTAUREA CYANUS

(Bachelor's Button, Cornflower, Blue Bottle or Ragged Sailor).—This is one of the most popular annuals; will grow in the poorest of soil, either on seashore or mountains. Seed can be sown either in fall or spring. Sandy soil preferable. Height 2½ feet. Finest Mixed, Pkt. 5c; ¼-oz. 25c
Centaurea Cyanus fl. pl. (Double Bachelor's Button). Pkt. 10c; ¼-oz. 50c
Centaurea Imperialis (Giant Cornflower).—The flowers are of enormous size, fragrant and of charming colors. Excellent for cutting. Finest Mixed, Pkt. 10c; ¼-oz. 25c
Marguerite.—Flowers 4 inches across; purest white; very fragrant; July to September. Pkt. 10c; ¼-oz. 30c
Centaurea Moschatus (Sweet Sultan).—Hardy annual, with very fragrant and showy flowers; 1½ feet; June to September. Finest Mixed, Pkt. 5c; ¼-oz. 25c

Perennial Varieties

Centaurea Babylonica.—Pure yellow, grand flower; 3 feet; June to September. Pkt. 10c; ¼-oz. 30c
Centaurea Montana (Cornflower of Armenia).—Large, feathery flowers; height 2 feet; July and August. Pkt. 10c
Blue. Pkt. 10c
White. Pkt. 25c

CHRYSANTHEMUM

These are very showy flowers of easiest cultivation, flowering from July to frost. Excellent for cutting. Height 2 feet. (For plants see pages 6 and 61.)
Single Annual, Finest Mixed. Pkt. 10c; ¼-oz. 25c
Double Annual, Finest Mixed. Pkt. 10c; ¼-oz. 25c
Japanese Early Flowering (Double Flowering).—These flower in the open ground from August to November. Splendid plants for show effect. Height 3 feet. Pkt. 25c

CINERARIA

One of the most gorgeous colored flowering plants for either greenhouse or conservatory. Seeds should be sown in July, but may also be sown in August or September.

Hybrida Grandiflora.—We pride ourselves in offering the choicest strain of this gorgeous flower. Grand, large blooms in umbel spikes are borne way above the foliage; colors and markings are superb; 1½ feet. Pkt. 35c

CANNA

Stately plants, with massive, rich and handsome foliage; flowers superb, splendid yellow, rich orange, deep carmine, flaming scarlet; others beautifully spotted and marked. (For Canna Roots see page 59.)

Crozy's Hybrids Mixed. Pkt. 5c; oz. 25c

CANDYTUFT—Iberis

Showy, branching plants, much grown in masses in beds or for edging; also grown extensively for cut flowers; of easy cultivation, they succeed in any rich garden soil.

Finest Mixed. Pkt. 5c; oz. 25c
Crimson. Pkt. 5c; ¼-oz. 15c
Empress.—A large-flowered variety of purest white; grown extensively for cut flowers; heads broad. Pkt. 5c; ¼-oz. 20c

PINK BEAUTY (Novelty).—Fine, true pink; an exquisite flower. Pkt. 15c

Dwarf White Little Prince.—Grows but 6 inches high and throws up strong trusses of pure white flowers; excellent for edging or bordering. Pkt. 10c; ¼-oz. 50c

Sempervirens.—Perennial; pure white flowers, evergreen foliage. Pkt. 10c; ¼-oz. 25c

CARNATION

Everyone loves Carnations. For started plants of the finest varieties see pages 6 and 61.

Chabaud.—Fall and winter blooming of finest quality. Used mostly by florists. Double flowers. Pkt. 40c

Marguerite Carnations.—The earliest to bloom, and producing large, double, sweet-scented flowers. Being half-hardy perennials, if they are slightly protected during the winter they will flower profusely the next summer.

CARNATIONS—Continued.

Benary's Giant.—Extra large flowering and of the most beautiful colors. Pkt. 25c
White or Yellow.—Large, perfect flowers. Pkt. 15c
Choice Mixed. Oz. \$1.00; Pkt. 10c

CELOSIA CRISTATA—Cockscomb

Showy annuals of easy cultivation; 1 foot. Producing large, brilliant, comb-like flower heads. Glasgow Prize.—Showy, dark crimson combs. Pkt. 10c; ¼-oz. 35c

Finest Mixed.—Rich mixture. Pkt. 5c; ¼-oz. 20c

CELOSIA PLUMOSA—

Feathered Cockscomb

The plant grows 2 to 3 feet, is of handsome pyramidal form, and the numerous massive plumes, which resemble an ostrich feather waving gracefully, fully above the foliage, make it one of the most effective ornamental plants for either pot or outdoor planting. It is of easy culture.

Thompson's Magnifica.—The most perfect strain of the ostrich plumed Cockscombs. The flower spikes vary in the most magnificent shades of colors, ranging from the clearest yellow to the darkest of blood red. In constant bloom from July to November. Should be planted in every garden, large or small. Pkt. 10c; ¼-oz. 25c

Thompson's Golden Yellow.—True colors. Pkt. 10c
Thompson's Crimson. Pkt. 10c

CLARKIA

A mighty handsome annual, which should be far more widely known. It is of easy cultivation, graceful in habit of growth, and lends itself as well to bedding as for cutting. The flowers are borne all along the stems and resemble carnations to quite an extent; 1 foot; July to October. Pkt. 5c

Elegans.—Double mixed.

COSMOS

Among the garden annuals that have come into prominence in recent years, the Cosmos has a most brilliant future. It is a show in the garden and magnificent when cut. Formerly we had to be content with the late-flowering type, which was often killed by early frost. Now that we have a most perfect type of the early flowering class, every garden should contain this exquisite flower. (See cut, page 36.)

Benary's Early Flowering.—If sown out-of-doors in May, flowers can be picked early in July. The plants grow but 4 feet high, and do not require staking, like the late-flowering varieties. Flowers very large. Pkt. 10c; ¼-oz. 15c

Early Flowering Mixed. Pkt. 10c; ¼-oz. 15c
Mammoth, Mixed.—Flowers often 4 inches across; plants 7 feet high. Blooms do not appear until October, when other flowers are scarce. White, Pink, Red or Mixed, Pkt. 10c; ¼-oz. 25c



Cosmos Plant In Bloom.

FLOWERING PLANTS.—We have thousands of hardy Flowering Annual Plants and Bulbs during April and May. See pages 5 and 6; Perennials, 61-63.

COREOPSIS

Lanceolata Grandiflora.—Hardy perennial. This is one of the finest of hardy plants, with large, showy, bright yellow flowers, produced in the greatest abundance from June till frost. As a cut flower they stand near the head among hardy plants, having long stems and lasting in good condition a week or more. Easily grown from seed, flowering the first year, if sown early.

Pkt. 10c; ¼-oz. 35c

Grandiflora.—Very similar to above except this variety has glabrous leaves; 2 feet; all summer.

Pkt. 10c; ¼-oz. 20c

COBAEA SCANDENS

Popular climbing perennial, flowering the first season. Large, purple, bell-shaped flowers appear in great profusion during the fall months. Foliage very graceful; 20 feet.

Pkt. 10c; ¼-oz. 25c

COLEUS

Splendid bedding plants, with beautifully colored foliage; easily grown from seed if kept in warm temperature; tender perennial.

Benary's Exhibition.—Superb. Pkt. 25c

CONVOLVULUS MINOR

(See Morning Glory, page 40.)

CORNFLOWER.—(See Centaurea Montana, page 36.)

CYCLAMEN

Beautiful plants for the window or greenhouse, with mottled leaves and rich-colored flowers. Both the strains offered below have gained a reputation for their large size, perfect form and brilliant colors.

Giganteum.—Finest mixed. Pkt. 40c

Papilio (Butterfly).—The edges of the flowers are beautifully fringed or waved; mixed colors.

Pkt. 25c

CYPRESS VINE

Finest Mixed.—A fast-growing annual vine, with feathery, dark green foliage and star-like flowers; July to October; 20 feet.

Pkt. 5c; ½-oz. 20c

DAHLIA

This very popular flower can easily be raised from seed; in fact, it is surprising how many new varieties are yearly introduced from seedlings. Seed sown in March will produce flowers in August.

Cactus-Flowered, Double Mixed. Pkt. 20c

Double Show, Finest Mixed. Pkt. 10c

Single Giant Perfection.—Flowers are gigantic and exquisitely colored; 4 feet. Pkt. 10c

(See our up-to-date list of Dahlia Bulbs, pp. 54-58.)

DAISIES

Burbank's Shasta.—Very popular and desirable perennial; the larger, single white flowers are freely produced on long stems. We offer you the best strain in plants or seed.

Pkt. 15c

Double Daisies.—(See Bellis, page 40.)

New Orange Daisy.—(See Dimorphotheca.)

DIGITALIS—Foxglove

Hardy perennials, very desirable for effective massing or grouping; invaluable either in the hardy border, between shrubs or in solid beds. (See cut.)

Beauty Mixture.—

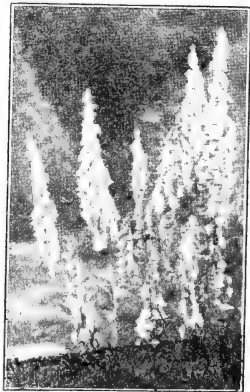
Comprising all the choicest colors. Pkt. 5c

Gloxinaeflora.—Finest Mixed.

Flowers spotted similar to gloxinias. Pkt. 5c; ½-oz. 20c

Monstrosa (Mammoth Foxglove).—

The tall spikes are surmounted by one monstrosa flower; all colors mixed. Pkt. 10c; ½-oz. 30c.

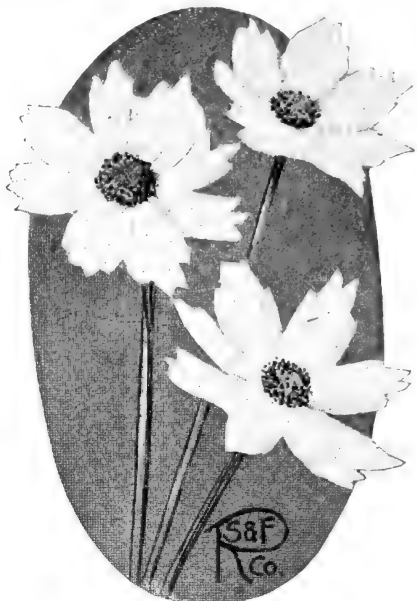


Digitalis—Foxglove.

DIMORPHOTHECA AURANTIACA

Annual climbers, with hyacinth-like purple and white flowers, borne in clusters; 10 feet; July to September.

Mixed, Pkt. 5c; oz. 25c



Coreopsis Lanceolata.

Hillhurst, Wash., March 9, 1911.

Gentlemen: Your plants arrived and were in fine condition. I am well pleased with them.

Respectfully yours,

GRACIA M. BEANDREAR.

DELPHINIUM—Perennial Larkspur

Handsome, hardy perennial plants for the herbaceous border and shrubbery, producing a profusion of splendid spikes of flowers throughout the summer; will usually bloom the first season. (For large plants see page 60.)

Cashmerianum.—Large, dark blue flowers; hooded form. Pkt. 15c

Chinese Azureum.—This variety branches very freely and produces its flowers on single stems, in greatest abundance. Clear, deep blue. July to October.

Height 3 feet. Pkt. 5c; ½-oz. 15c

Cardinale.—Scarlet; 3 feet. Pkt. 20c

Formosum.—Long-spurred, brilliant blue flowers, with white eye; 4 feet; July to October.

Pkt. 5c; ½-oz. 20c

Elatum Hybridum.—Superb collection of finest double varieties. Pkt. 15c; ½-oz. 35c

DIANTHUS—Garden Pink

All the varieties listed below are very desirable, and will flower the first season even sown out of doors in May. They flower early and continue throughout the entire summer. They are excellent for cutting, as well as bedding. Height 1 foot.

Chinensis fl. pl. (Chinese Pink).—Finest Mixed. Large double flowers in unlimited variety of colors. Pkt. 5c; ½-oz. 20c

Heddewigii fl. pl. (Japanese Pink).—Finest Mixed. Pkt. 10c; ½-oz. 35c

Fireball.—New, extra double, brilliant, dark scarlet; very beautiful. Pkt. 10c; ½-oz. 50c

Snowdrift (Lanceineatus).—Extra large, pure white, double. Pkt. 25c; 1-lb oz. 50c

Benary's Prize Mixture.—Very rich.

Pkt. 5c; ½-oz. 25c

Semperflorens (Perennial Hardy Garden Pinks).—Very beautiful, sweet-scented, double, semi-double and single flowers in great diversity of colors.

Pkt. 15c; 1-lb oz. 25c

DOLICHOS—Hyacinth Bean

This new single African "Golden Orange" Daisy is rare and showy; easily grown from seed and very free-flowering all summer; 12 to 15 inches high. Pkt. 10c

By Buying Our Large, Nursery-Grown Clumps of Perennial Flowering Plants You Immediately Effect a Gain of One Year. See pages 60 to 63.

ECHINOCYSTIS LOBATA—

Wild Cucumber

The fastest growing annual vine in existence; will grow 20 feet in six weeks. Pretty foliage and inconspicuous white flowers. Soak seed in water 24 hours. Pkt. 5c; ½-oz. 20c

ESCHSCHOLTZIA—California Poppy

One of the most popular garden annuals. Seeds should be sown very early. It stands considerable cold and blooms after the first frosts. If well protected plants will live through the winter. (See cut.)

Finest Mixed.—All shades. Pkt. 5c; oz. 30c
Californica.—Bright yellow. Pkt. 5c; oz. 30c
Alba.—Pure white. Pkt. 5c; oz. 35c
Carmine.—A beautiful rose carmine. Pkt. 10c; oz. 60c
Golden West.—Very large, bright yellow flowers. Pkt. 10c; oz. 50c

FOUR O'CLOCK.—(See Marvel of Peru, page 39.)

FORGET-ME-NOT.—(See Myosotis, page 40.)

FOXGLOVE.—(See Digitalis, page 38.)

HELIOTROPE

Most pleasing, fragrant, tender perennial; popular as a garden bedding plant; also for cutting. Some of the best plants may be raised from seed very readily; 1½ feet; June to October.



Heliotrope.

Finest Mixed. Pkt. 10c

Queen Marguerite.—A new variety, which grows very compact and produces single heads of deep blue; extremely fragrant flowers, which often cover the entire plant. A grand novelty and well worth a trial. Pkt. 25c

Madame de Blonay.—White; fine for bouquets. Pkt. 15c

HESPERIS—Sweet Rocket

Hardy biennial. Showy terminal spikes of all colors; very popular and fragrant; will grow in any common soil; 2 to 3 feet; June to October.

Finest Mixed. Pkt. 5c

HIBISCUS

Africanus.—Hardy annual; yellow flowers, having a maroon center; 2 feet; July to October. Pkt. 5c

GAILLARDIA—Blanket Flower

Splendid, showy plants for beds or borders; excellent for cutting; the hardy perennial varieties will also bloom the first season, if sown early. (See cut.)

Grandiflora Semeplena.—Hardy perennial; new variety; bear very large, long-stemmed flowers; choice mixed colors; 15 inches. Pkt. 15c

Grandiflora Superba.—Hardy perennial; splendid mixed varieties; 2 feet. Pkt. 10c

Picta Lorenziana.—Hardy annual; double mixed colors; 2 feet. Pkt. 5c

GERANIUM

Finest Mixed Hybrids.—A mixture of the leading varieties. Tender perennial; 18 inches; May to October. Pkt. 25c

GLOXINIA

Showy, free-flowering plants for pot culture; producing magnificent flowers of the richest colors; 1 foot.

Hybrida Grandiflora.—The best strain in existence, embracing all the choicest self-colored, tigered and spotted flowers. Pkt. 25c

GOMPHRENA—Globe Amaranth

A dwarf hardy annual, with pretty clover-like head of purple, white and red flowers; 12 inches. Flowers everlasting.

Finest Mixed. Pkt. 5c

GODETIA—Satin Flower

Finest Mixed.—This showy, hardy annual deserves greater popularity. Mallow-like flowers, varying from white to all shades of pink and crimson. They grow rapidly, and flower profusely; of easy cultivation, both at seashore or mountain resorts; 1½ feet; July to October. Pkt. 5c

GOURDS

Ornamental.—Fast-growing annual vines; cucumber-like foliage; creamy white flowers and bearing gourds of the most interesting forms and colors.

Finest Mixed. Pkt. 5c; oz. 25c

Victoria, Ore., June 16, 1911.

Routledge Seed & Floral Co., Portland, Ore.

Gentlemen: I will now send you a few words and say that all the plants received from you are in a perfect condition. I have not lost a single one. They are growing splendidly and I am giving them the very best care. The Rhododendron stands now in full bloom and has a most beautiful color.

Many thanks for the Cactus Dahlias. Hope it will soon get up and show itself over the earth. Many and best regards,

MRS. SOFIE WOLD.



Eschscholtzia Carmine King.

GYNERIUM

Argenteum.—Hardy perennial. The famous pampas grass, with beautiful silvery plumes; 10 feet. Pkt. 10c

GYPHOPHILA—Baby's Breath

Elegans.—Hardy annual. Extremely useful for bouquets. Flowers small, and come in delicate sprays and panicles; pure white; 2 feet. June to September. Pkt. 10c

Muralis.—Hardy annual. Bright rose; 1½ feet. Pkt. 10c

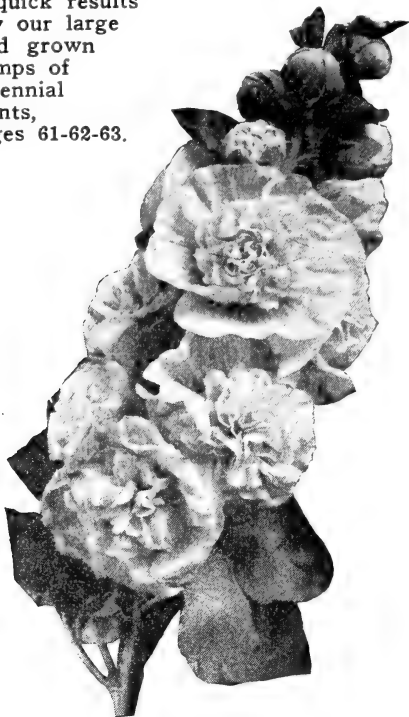
Paniculata.—Hardy perennial. One of the finest for cutting. Pure white flowers, very small, and borne in large panicles. Pkt. 10c; ½-oz. 25c

HELIANTHUS—Sunflower

Among the showiest of our garden plants.
Californicus fl. pl.—Very large, perfectly double yellow flowers; 5 feet; annual. Pkt. 5c; oz. 25c
Globosus Fistulosus.—Flowers immense, from 12 to 15 inches in diameter; globular and extremely double; the most effective of all annual sunflowers. Pkt. 5c; oz. 35c

Perennial Mixed.—A choice mixture of the best perennial varieties. Pkt. 15c

For quick results
buy our large
field grown
clumps of
Perennial
Plants,
Pages 61-62-63.



Double Hollyhock.

HOLLYHOCKS

One of the showiest of hardy garden plants; no grandmother's garden was complete without these stately flowers; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet. (See cut.)

Allegheny.—Semi-double; mammoth flowers, having the edges of the petals finely fringed and lacinated; will bloom the first year if sown early; choicest mixed colors. Pkt. 10c; ½-oz. 25c

Double German Ever-Blooming.—Will bloom the first year from seed, if sown early. Pkt. 10c; ½-oz. 35c

New Annual Ever-Blooming.—This is one of the best introductions of late years. Seeds sown in the house in March will produce flowers in July on plants 4 feet high. The plants do not attain their perfection until their second year, when they grow 7 to 10 feet high, and flower continuously from June till frost.

Single Mixed, Pkt. 10c; Double Mixed, Pkt. 15c
Chatter's Improved.—Our strain of this is the best that can be produced; seeds saved from the most double flowers. White, pink, crimson, lilac or mixed. Pkt. 10c; ½-oz. 85c

HYACINTH BEAN.—(See Dolichos, page 42.)

HUNNEMANNIA

Fumariaefolia.—(Giant Yellow Tulip Poppy). Should be treated as an annual. Sow seeds out-of-doors in May and flowers will appear in August and flower continuously until frost. Foliage fern-like. Plants attain a height of 2 feet. Flowers are tulip-shaped, pure golden yellow. Very showy and when cut and put in water they will last a full week. One of the most valuable garden plants we know of. Pkt. 10c; ½-oz. 25c

IPOMOEAE—Moonflower

Grandiflora Alba.—Large, heart-shaped leaves, and large, pure white flowers, which open only late in the evening; 10 feet. Pkt. 10c

Ipomoea Purpurea.—(See Morning Glory, page 45.)

IBERIS.—(See Candytuft, page 41.)

LARKSPUR

These are splendid, hardy annuals, which, when sown in clumps in front of shrubbery, make a pleasing effect, and the slender flower stalks, when cut, are most desirable for vases; July to October.

Double Dwarf Mixed.—A very compact growing bush, throwing up many splendid spikes of flowers in all colors. Pkt. 10c; ¼-oz. 25c

Tall Emperor, Azure Blue.—Tall spikes of exquisite double flowers in unlimited quantity; 3 feet. Pkt. 5c; ¼-oz. 25c

Giant Hyacinth Flowered.—Tall mixed; double. Pkt. 5c; ¼-oz. 25c

(See Delphinium for Perennial Larkspur, page 37.)

LATHYRUS LATIFOLIUS—

Perennial Pea

Free flowering, hardy perennial climbers, bearing beautiful pea-shaped flowers.

White or Pink. Pkt. 10c; ½-oz. 50c

Mixed. Pkt. 5c; oz. 50c

LOBELIA

Dwarf, compact plants with delicate, graceful foliage and pretty star-like flowers; fine for baskets, pot culture or edgings; 4 to 6 inches. (See cut.)

Barnard's Perpetual.—Deep blue with white eye; very fine. Pkt. 10c; 1-16 oz. 25c

Hamburgia.—New, sky blue, white eye; growing rapidly; long, drooping flower stalk; excellent for hanging basket. Pkt. 20c; 1-16 oz. \$1.00

Crystal Palace Compacta.—Hardy annual, dwarf bedding plant; dark blue flowers cover the whole plant during the entire season; very compact and used extensively in carpet bedding or edging; height 4 inches. Pkt. 10c; ½-oz. 50c

Erinus Gracilis.—A trailing annual, with deep blue flowers; excellent for vases, hanging baskets and window boxes; 6 inches. Pkt. 5c; ½-oz. 25c

Compacta White Lady. Pkt. 5c

Cardinalis (Cardinal Flower).—Hardy perennial; deep cardinal red flowers; thrives well in wet places. August and September; 3 feet. Pkt. 15c



Lobelia.

KUDZU VINE

Pueraria Thumbergiana.—Tender perennial climber from Japan, growing 30 to 50 feet in a single season. Pkt. 10c

For quick results, buy 3-year-old roots. (See Climbing Vines, page 90.)

MARIGOLD—Tagetes

Widely grown, hardy annuals, invaluable for bedding and producing an elegant display of yellow, orange and brown flowers from early summer till frost.

Mammoth African, Finest Mixed.—Very large and double, in finest variety; 3 feet. Pkt. 5c; ¼-oz. 20c

Tall Double French, Finest Mixed, Pkt. 5c; ¼-oz. 20c

Dwarf Double French, Finest Mixed. Pkt. 5c; ¼-oz. 20c

MARVEL OF PERU—Four o'Clock

Old-fashioned, hardy annual. Flowering from July to October, in very brilliant colors; 3 feet. Finest Mixed. Pkt. 5c; oz. 15c

MIMULUS—Muskplant

Moschatus.—A tender, trailing plant, with small yellow flowers, giving forth a musk-like fragrance; 6 inches. Pkt. 10c

Nasturtium.
Flower.
Leaf.
Bud.



For Annual
and
Perennial
Flowering
Plants, see
pages 6-7
and 61-63.

NASTURTIUM

One of the best-known and popular annual climbers. Flowers are borne in great profusion the whole season, lasting until frosty weather. The Nasturtium has been greatly improved in the past few years in size as well as in colors and markings. We offer only the finest strains, producing the largest and richest flowers.

Lobbianum Tall or Climbing.

Asa Gray.—Yellowish white; very fine.

Black Prince.—New; very dark.

Crown Prince.—Rich blood red.

Golden Queen.—Very fine yellow.

Margaret.—Yellow, spotted red and yellow.

Primrose.—Cream, brown spots.

Regina.—New salmon shade.

Spitfire.—Bright scarlet.

Prices.—Your choice of above varieties, 5c Pkt., 8 for 30c; oz. 20c.

TALL PRIZE MIXTURE.—This is undoubtedly the finest mixture of tall Nasturtiums offered anywhere. Every shade is grown separately, and then mixed.

Large Pkt. 10c; oz. 20c; ¼-lb. 50c; lb. \$1.50
Tall Choice Mixed.

Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. 75c

Ivy-Leaved, Finest Mixed.—The ivy leaves, borne on very slender stems, are of a dark metallic color, which forms a striking contrast to the crimson scarlet flowers. An excellent variety for vases, hanging baskets, etc.

Variegated Queens.—A new strain of tall Nasturtiums having beautifully variegated leaves; green, white and yellow; flowers large and of many bright colors.

Superb Mixed. Pkt. 10c; oz. 25c

Dwarf or Tom Thumb

Aurora.—Terra cotta; very fine.

Beauty.—Yellow and scarlet.

Empress.—Deep crimson; extra.

Golden King.—Fine yellow.

Regalium.—Purplish violet.

Vesuvius.—New salmon red.

Price, all Dwarf varieties 5c pkt; 6 for 25c; per oz. 20c.

Beauty Mixture.—Composed of new and rare sorts.

Large pkt. 10c; oz. 20c; ¼-lb. 50c; lb. \$1.50
Choice Dwarf Mixed.

Pkt. 5c; oz. 15c; ¼-lb. 30c; lb. \$1.00

MIGNONETTE—Reseda

A universal favorite; very fragrant; no home garden is complete without Mignonette. It needs a cool soil, only moderately rich; grows 1 to 2 feet high, and is treated as a half-hardy annual. Sown from April to early in July (see cut).

Grandiflora.—Large-flowering; sweet. Pkt. 5c; oz. 15c

Defiance.—Giant spikes; flowers abundant and very fragrant. Pkt. 10c; oz. 50c

Machet.—Excellent for pots; very select strain; red flowers. Pkt. 10c; ¼-oz. 25c

White Pearl.—New; the best white flower; very attractive. Pkt. 15c; ¼-oz. 75c

Grandiflora, Mixed. Pkt. 5c; oz. 15c

MYOSOTIS—Forget-Me-Not

Half-hardy perennials, producing little blue, star-like flowers profusely in early spring. Flowers first season if started early.

Finest Mixed.—Six inches. Pkt. 5c

Disitiflora.—Rich blue; flowers very early; one of the best; six inches. Pkt. 20c

Alpestris Victoria.—Of bushy habit; bearing large double bright blue flowers; very fine; six inches. Pkt. 15c

Alpestris Indigo Blue.—New, very fine. Pkt. 10c

Palustris Semperflorens.—Perennial; splendid bright blue variety; blooms from early spring until autumn. Pkt. 10c

MORNING GLORY—

Ipomoea Purpurea

The tall varieties are popular, well known, rapid-growing climbers of the easiest cultivation; very fine for covering arbors, trellises, porches, etc. The Minor or Dwarf varieties flower very freely, and do not require support.

Convolvulus Major.—Tall, choice, single mixed; all colors. Pkt. 5c; oz. 15c

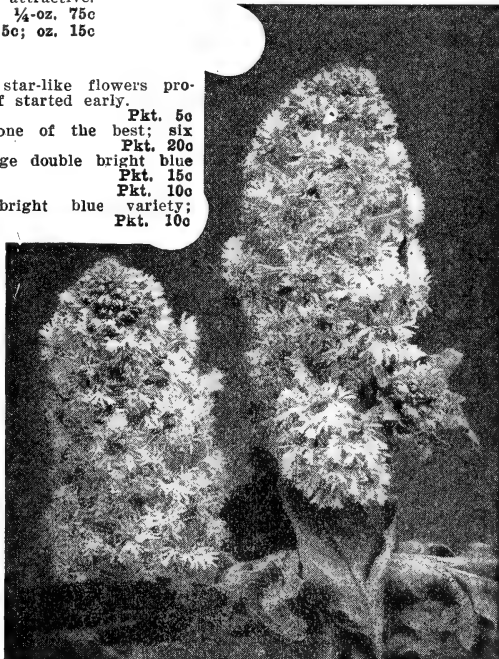
Convolvulus Minor.—Dwarf mixed. Pkt. 5c; oz. 15c

Imperial Japanese Fringed.—These have very large, fringed flowers in a great variety of the most exquisite colorings; handsome, variegated foliage. Mixed. Pkt. 10c; oz. 20c

New Japanese Giant.—Immense large flowers of beautiful shades. Pkt. 15c; oz. 25c

Japanese Double Mixed.—This double Japanese sort is very fine in leaf, flower and growth. Pkt. 15c

(Note.—Soak the Japanese Morning Glory seed in warm water for 24 hours before planting.)



Mignonette.

PANSY—Viola

This popular flower thrives best on a cool, moist, but well-drained soil, enriched with well-rotted barnyard manure or fine ground bone. Seeds sown early will produce fine plants for autumn blooming. The proper method, though, is to sow in July or August, and protect the plants during the winter, when they will flower continuously that spring and summer.

Our Pansies are renowned for size, quality and color.

EXHIBITION PRIZE MIXTURE.

For variety of markings, beauty of form, large size, splendid texture, this superb strain cannot be excelled.

Pkt. 25c; ½-oz. \$1.00

Bugnot's Large Blotched.—A magnificent strain; very large flowers; great diversity of colors. Pkt. 25c; ½-oz. \$1.00

Cassier's Giant, Finest Mixed.—Strong-growing strain, producing rich and varied colored flowers of large size.

Pkt. 25c; ½-oz. 75c

English Show Strain.—A splendid strain, valued for the texture and varied markings of the flowers.

Pkt. 15c; ¼-oz. \$1.50

Choice Mixed.—A fine bedding strain. Pkt. 5c; ¼-oz. 50c

Giant Trimardeau.—The most popular strain for this locality, and deservedly so, on account of the strong, sturdy plants and the enormous flowers of the greatest variety of colors.

Finest Mixed, Pkt. 10c; ¼-oz. 50c

Masterpiece.—Elegant ruffled petals of various colors.

Pkt. 25c; Trade Pkt. \$1.00

Giant Flowering Varieties

Adonis.—Light blue; beautiful. Pkt. 10c

Bridesmaid.—New shades of white and shining rose; beautifully blotched. Pkt. 25c

Freya.—Extra fine; silver edge. Pkt. 20c

Golden Queen.—Pure yellow. Pkt. 15c

King of Blacks.—Best black. Pkt. 10c

Lord Beaconsfield.—Very beautiful. Pkt. 10c

Ruby King.—Superb red shades. Pkt. 20c

Snowflake (Candidissima).—Pure white. Pkt. 15c

Sunlight.—New Yellow, orchid-flowered. Pkt. 25c

Purple-Eyed White.—Very beautiful. Pkt. 10c

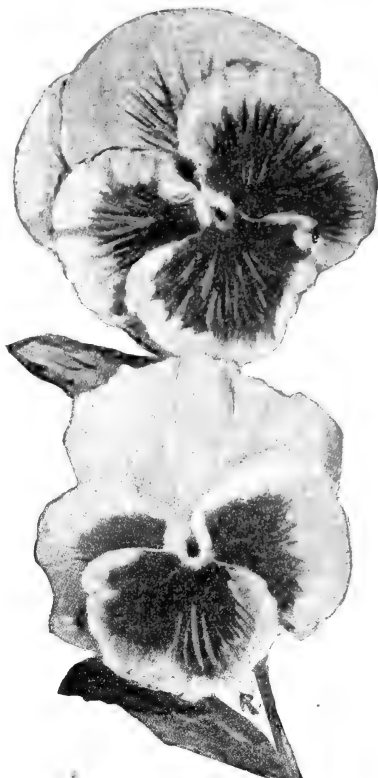
Black-Eyed Yellow.—Very fine and effective. Pkt. 15c

Gaston, Ore., May 9, 1911.

Routledge Seed & Floral Co.

Gentlemen: I have never had a line of Seeds all through that gave such perfect satisfaction, and I am positive that another season will show you that I have converted quite a number of my neighbors to the Routledge line of seeds. Respectfully yours,

F. G. HOLIBAUGH.



Pansies.

PETUNIA

One of our easiest cultivated and freest flowering annuals. Will succeed almost anywhere and give a continuity of the most brilliant bloom from June till killed by frost. The strains we offer are the very choicest obtainable.

SINGLE PETUNIAS

Prize Mixture.—Magnificent, large, exquisitely fringed and blotched flowers. Vary in color from pure white to dark purple, and are often over 4 inches across; 1½ feet.

Finest Mixed, Pkt. 25c

Ruffled Giants.—Enormous flowers, having edges of petals beautifully ruffled and fluted. Of great variety of colors, many being beautifully veined.

Pkt. 25c

Large-Flowered, Finest Mixed.—Fine, large flowers in superb mixture.

Pkt. 10c; ½-oz. 75c

Fine Mixed.—An assortment of medium-sized flowers; fine for bedding.

Pkt. 5c; ½-oz. 35c

DOUBLE PETUNIAS

All of our Double Petunias are selected with greatest care, and contain as large a percentage of double flowers as it is possible to obtain.

Giant Double, Finest Mixed Hybrids.—An exceptionally fine strain; remarkable for the large, beautifully colored double flowers in finest mixture.

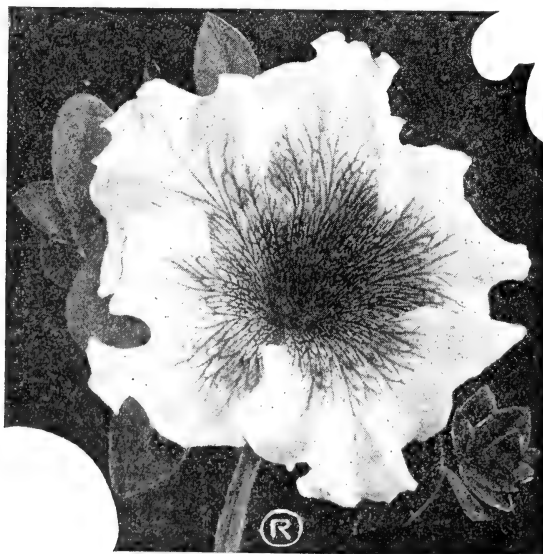
Pkt. 50c

Giant Double Mixed.—Fringed, unsurpassed.

Pkt. 50c

Choice Double Mixed.—Good assortment of all double kinds.

Pkt. 25c



Petunia—Ruffled Giant.

PHLOX

Drummondii.—These varieties are the largest flowering of the annual phloxes. They are the very finest strains that can be selected, and should be grown in everyone's garden; 1 foot. (See cut.)

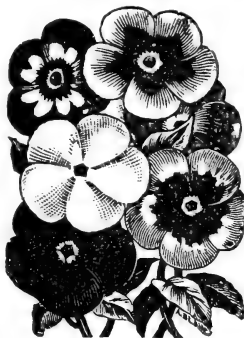
Alba.—Pure white, beautiful. Pkt. 10c

Coccinea.—Scarlet. Pkt. 10c

Leopoldi.—Rose, white eye. Pkt. 10c

Grandiflora Mixed. Pkt. 10c; ½-oz. 50c

Hardy (Decussata).—These rank among the finest herbaceous perennials for beds and borders; mixture of the finest colors; 3 feet. (See plants, page 63.) Pkt. 10c; ½-oz. 35c



Phlox.



Portulaca.

PINK.—(See Dianthus, page 42.)

PORTULACA

One of the freest-flowering dwarf annuals, especially adapted for sunny locations. Flowers of the most brilliant colors; 6 inches. (See cut.)

Single, Finest Mixed. Pkt. 5c

Double, Finest Mixed. Pkt. 10c

POPPY—Papaver

Probably no class of plant enjoys a greater popularity and is more widely grown than the Poppy.

Annual Superb Mixture.—A superior strain, containing the choicest of single and double varieties in all of the brightest colors. Pkt. 10c; oz. 35c

Shirley.—The range of color, extending from white through delicate shades of pink, rose and carmine, to deepest crimson; fine for cutting. Annual, Pkt. 10c; oz. 50c

Iceland, or Nudicaule.—These are of a very graceful, neat habit, with bright green, fern-like foliage, formed in tufts, from which issue slender stalks, about 12 inches in height, bearing yellow, white or orange-scarlet flowers in endless profusion, and most useful for cutting; hardy perennial. Mixed, Pkt. 10c; ½-oz. 50c

Orientele Brilliant.—This is the most gorgeous perennial Poppy, flowering in June and July, with enormous vivid scarlet blossoms, often measuring 6 to 7 inches across. Pkt. 10c; ¼-oz. 50c

Perennial Mixed. Pkt. 10c; ¼-oz. 50c

California Poppy.—(See Eschscholtzia.)

Giant Yellow Tulip Poppy.—Very fine. (See Hunemannia, page 44.)



Orientele Poppy.

PRIMULA—Primrose

The first two varieties named below are hardy early blooming garden plants, and the others beautiful winter blooming house plants. Their various forms and blending of colors are exceedingly pleasing and effective. They thrive best in a sandy loam and leaf mold.

Folyanthus.—Early blooming, dwarf growing plants, valuable for outdoor bedding. Mixed colors. Pkt. 25c

Vulgaris.—Yellow, common, English Primrose; hardy garden variety. Pkt. 25c

Obconica Grandiflora Hybrids.—A lovely, profuse bloomer, bearing beautiful clusters of single flowers. Pkt. 15c

Obconica G. Gigantia.—New giant, distinct, very beautiful. Pkt. 25c

Sinensis, or Chinese Primrose.—The beautiful, large, fringed flowers stand in pyramids, arranged on short flower stems. Blossoms of every shade of color, from pure white to deep crimson, and even deep blue; especially fine for winter and spring flowers in the house; easily grown; free bloomers. We supply the finest strains for florists.

Finest Mixed. Pkt. 25c

Double Finest Mixed. Pkt. 50c

PYRETHRUM—Golden Feather

Aureum.—Half-hardy perennials, grown as annuals. Valuable for edging, as their yellow foliage makes a fine contrast with other bedding plants; 6 inches. Pkt. 5c

RICINUS—Castor Oil Bean

A magnificent and highly ornamental genus, with picturesque foliage and stately growth, combined with brilliant colored fruit of the giant varieties. Grown as single specimens on lawns and pleasure grounds, they form a striking feature. Hardy annuals.

Finest Mixed. Pkt. 5c; oz. 15c

Zanzibarensis, Mixed.—Very ornamental; dark bronzy green and red leaves. 8 to 10 feet high. Pkt. 5c; oz. 20c

Borboniensis Arboreus.—Dark green leaves; 10 feet. Pkt. 5c; oz. 20c

Sanguineus Tricolor.—Blood red stems, deep green leaves, with red veins; 6 feet. Pkt. 5c; oz. 20c

Gibsoni.—New dark red foliage; 5 feet. Pkt. 10c; oz. 25c

Perennial Flowers are rapidly gaining in favor. MORE should be planted; they are beautiful in borders, beds or among shrubbery, and flower each year. See pages 61 to 64.

SALPIGLOSSIS

Produces very showy, funnel-shaped flowers of large size. Fine for beds. Half-hardy annuals.
Grandiflora Mixed.—Large-flowering. Pkt. 10c

SALVIA—Scarlet Sage

This popular bedding plant produces a blaze of brilliant scarlet flowers in the garden during the late summer and fall. Seed should be started in the house during March; 3 feet.

Splendens Compacta.—A splendid semi-dwarf variety, with large spikes of rich scarlet flowers.

Pkt. 10c; ¼-oz. \$1.00

Zurich.—New dwarf, of special merit; fine flowers, and starts to bloom early.

Pkt. 25c; Trade Pkt. \$1.00

Fireball.—The earliest semi-dwarf salvia; extremely floriferous.

Pkt. 10c; ½-oz. 75c

SCHIZANTHUS

Beautiful garden annuals; flowers charmingly fringed and delicately colored; 1 to 2 feet.

Grandiflora Mixed. Pkt. 10c

SCABIOSA—Morning Bride

Elegant, hardy annual. Fine for cutting and bedding; flowers quite large and very showy, blooming freely during summer and autumn.

Finest Mixed. Pkt. 5c; ¼-oz. 30c

White.—Large flowers. Pkt. 10c; ½-oz. 35c

SHAMROCK—True Irish

This is the genuine Shamrock, and is gathered by a connoisseur on the native land.

Pkt. 25c

SNAPDRAGON.—(See Antirrhinum, page 38.)

STOCK—Gilliflower

By far one of the most popular annuals for garden or greenhouse culture. They are superb for cutting, and are of great value to florists for bouquet work. Flowers are of delicious fragrance, large, double, and borne on handsome spikes.



Verbena.

Large-Flowered Ten Weeks.—A splendid double-flowered strain, especially adapted for bedding and pot culture; pyramidal spikes of brilliantly colored flowers; 1 foot. **Finest Mixed.** Pkt. 10c; ¼-oz. 75c

Giant Perfection.—This is our own strain, grown especially for us in Europe, where the greatest possible care is taken in the selection of good seed. Of branching habit, giant growth and 85 to 90 per cent of large, double flowers. Fine for cutting.

White, Light Blue, Crimson, Dark Blue, Pink, Rose or Finest Mixed. Pkt. 10c; ½-oz. \$1.00

Princess Alice (Cut and Come Again).—Perpetual blooming; throws out numerous side branches, all bearing clusters of double white, fragrant blooms; fine for cutting; 2 feet. Pkt. 15c; ½-oz. \$1.00

Beauty of Nice.—24 inches; a handsome, new winter stock of quick growth; flowers of large size. Seedlings will bloom in 10 weeks.

Pink or White, Pkt. 15c

Queen Alexandra.—Delicate rosy lilac. Pkt. 25c

Crimson King.—New. Pkt. 25c

SUNFLOWER.—(See Helianthus, page 43.)

SWEET ROCKET.—(See Hesperis, page 43.)

SWEET SULTAN.—(See Centaurea Moschata, page 41.)

SWEET WILLIAM

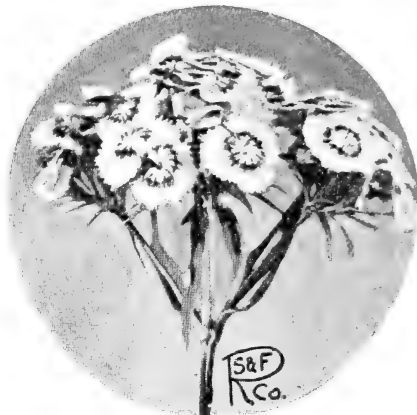
Hardy biennial, widely grown for the handsome, showy heads of brilliant flowers from June to September; 1½ feet.

Single Mixed Varieties.

Pkt. 5c; ¼-oz. 15c

Double Finest Mixed.

Pkt. 10c; ¼-oz. 50c



Sweet William.

THUNBERGIA

Alata.—Extremely pretty yellow flowers with dark eye; rapid-growing annual climber; used largely for vases, window boxes, etc. Will flower all summer till frost; 5 feet.

Pkt. 10c

Alba.—Pure white, with black eye; 5 feet. Pkt. 10c

Aurantiaca.—Orange, black eye. Pkt. 10c

Finest Mixed. Pkt. 10c

VERBENA

One of our most valuable bedding plants, and worthy of greater cultivation. They are half-hardy perennials, but are generally grown as annuals. (See cut.)

Mammoth Strain.—This is without doubt the finest strain in existence. White, Scarlet, Rose, Purple, Striped or Finest Mixed. Pkt. 10c; ¼-oz. \$1.00

Fine Mixed. Pkt. 5c; ¼-oz. 30c

VIOLET

Viola Odorata is the well-known English Violet, a free flowering, hardy perennial. Easily grown from seed, though somewhat slow in germinating; succeeds best in partially shaded, moist places. (See cut.)

Odorata Blue.—Very fragrant. Pkt. 25c

Odorata White.—Very fragrant. Pkt. 15c

WALLFLOWER

Very highly prized, old-fashioned plants, grown largely for their fragrance; half-hardy perennial varieties; 1½ feet.

Single Finest Mixed. Pkt. 5c; ¼-oz. 15c

Double Tall Branching, Finest Mixed.—Fragrant; 3 feet. Pkt. 10c; ¼-oz. 25c

WILD CUCUMBER.—(See Echinocystis, page 43.)

ZINNIA

Few of our hardy annuals are more effective in the border than Zinnias. They are very easily grown and bloom continuously from June till frost.

Tall Giant, Double Mixed.—Elegant strain, comprising all the choicest colors and producing very large, double flowers; 2½ feet. Pkt. 5c; ¼-oz. 20c

Dwarf Double Mixed.—Fine for edgings, growing 1½ feet high, and producing very large, double flowers. Pkt. 5c; ¼-oz. 20c

Routledge's "Highest Quality" Seeds Cost More and They Are WORTH MORE.

"Seeds are, after all, the least expensive article in making the garden. Always buy the best seed that the trade offers. Low-priced seeds will give low quality crops."

NEW SWEET PEAS of "Highest Quality"

When we say "best" we mean it, for we know. Instead of taking the fascinating descriptions written by the foreign and American catalog writers, we give you short but most reliable descriptions taken from "field notes" written by our expert grower (the largest in the world). We believe the person who spends weeks in the field comparing varieties, is best qualified to select the finest shades and type of flowers under each class and color. You can depend on these grand new varieties producing the most beautiful wavy "Spencer type" flowers of giant size and exquisite shades.

White.

ETTA DYKE.—A chaste and lovely Sweet Pea. The largest and most exquisitely formed pure white Spencer type. Standard and wings are beautifully waved, and the color absolutely pure.

Pkt. 15c; 1-oz. 75c

Cream.

NELL GWYNNE.—Very large and wavy. A most charming type; cream suffused with salmon-pink.

Pkt. 25c each; 3 for 50c

Pink.

MRS. HUGH DICKSON.—The best cream pink to date. A European novelty of sterling merit. You will be delighted with this.

Pkt. 15c; oz. 75c

DUPLEX PINK SPENCER.—For 1912. (See top page 51.)

Scarlet.

GEORGE STARK.—Recognized by the N. S. P. S. as the best scarlet; grand form and size.

Pkt. 20c; oz. \$1.00

Crimson.

DODWELL F. BROWNE.—A new bright crimson of real merit; large and wavy.

Pkt. 25c each; 3 for 50c

Claret.

PRINCE OF ASTURIAS.—A grand, extra large flower of excellent form; deep dark red; very rich; a profuse bloomer.

Pkt. 15c; oz. 65c

Orange.

AUDRAY CRIER.—A beautiful and desirable shade of orange.

Pkt. 15c; oz. 65c

Lavender.

FLORENCE NIGHTINGALE.—The "best", pure lavender Spencer yet introduced; comes true from seed; mammoth flowers on long stems; very free flowering.

Pkt. 15c; 2 for 25c; oz. \$1.00

Blue.

FLORA NORTON SPENCER.—A beautiful shade of bright blue; most desirable.

Pkt. 15c; oz. 50c

Variegated and Edged.

PICOTEE.—1912 novelty. (See top page 51.)

MRS. WILCOX.—Bright and attractive; white, striped bright red; the best wavy specimen in this color.

Pkt. 15c; oz. 65c

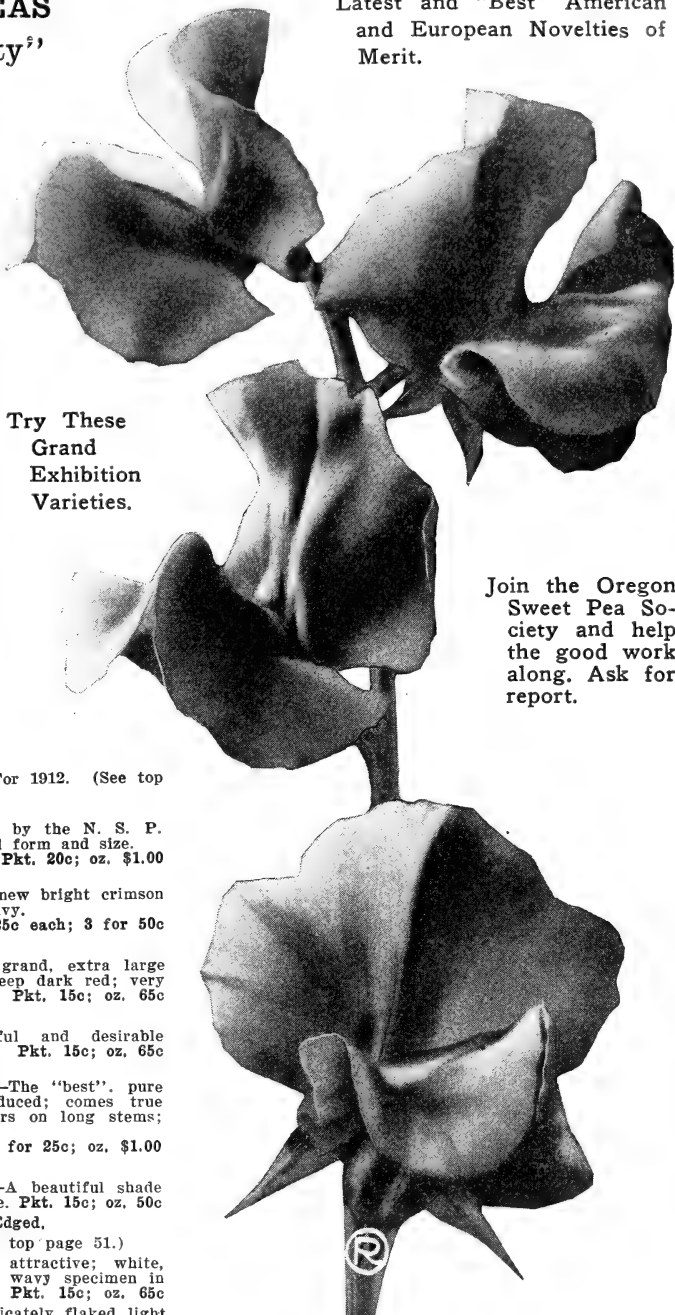
MRS. TOWNSEND.—New; delicately flaked light blue on white; grand, large, wavy flowers.

Pkt. 15c; oz. 65c

Try These
Grand
Exhibition
Varieties.

Latest and "Best" American
and European Novelties of
Merit.

Join the Oregon
Sweet Pea So-
ciety and help
the good work
along. Ask for
report.



Florence Nightingale.

1912 Novelty Collection Sweet Peas.

SPECIAL—FOR \$1.25.—We will send you one pkt. of each of the above 12 varieties and include our leaflet—Sweet Pea Culture.

You can buy "so-called" Spencer Sweet Peas for less money from other sources, but if you want the BEST STRAINS, TRUE TO NAME, COLOR AND TYPE, buy of us; our prices are right, QUALITY CONSIDERED.

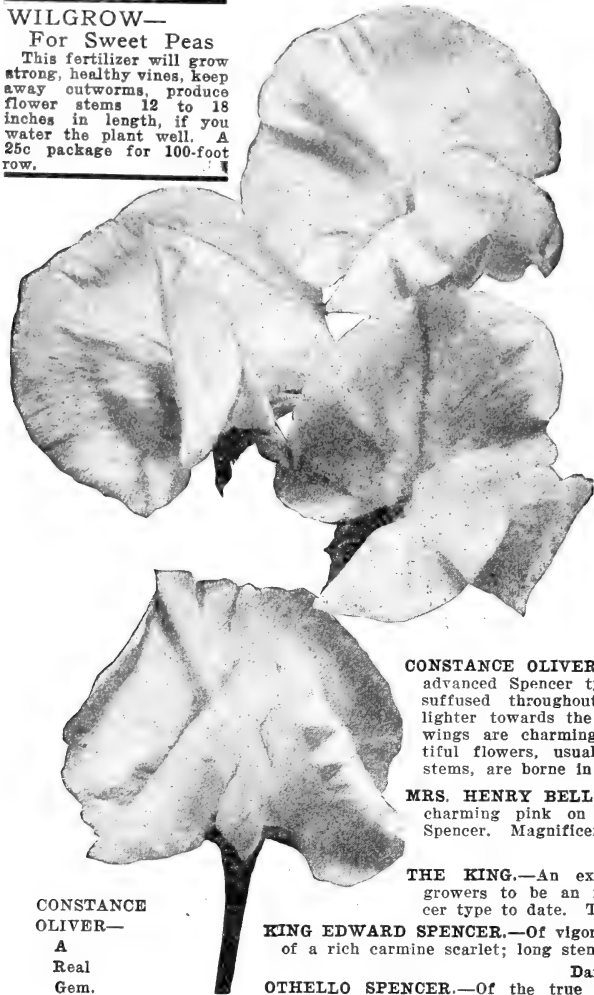
SWEET PEAS—Continued.

No seed company in the world offers finer Sweet Pea Seed than we. The new orchid-flowered or Spencer types are the latest, and well worth the higher price asked. Those who have tried the true "new Spencers" will never be satisfied again with the old types.

WILGROW—

For Sweet Peas

This fertilizer will grow strong, healthy vines, keep away outworms, produce flower stems 12 to 18 inches in length, if you water the plant well. A 25c package for 100-foot row.



CONSTANCE OLIVER—

A
Real
Gem.

KING EDWARD SPENCER.—Of vigorous growth, profuse bloomer, giant flowers of a rich carmine scarlet; long stems; true, selected seed. Pkt. 10c; oz. 25c

Dark Red.

OTHELLO SPENCER.—Of the true Spencer type. The stems are thick and long, and carry well either three or four fine blooms of a rich deep maroon. It is a strong grower and the intensely dark-colored flowers contrast well with the lighter shades already introduced. Pkt. 15c; oz. 50c.

Orange.

HELEN LEWIS SPENCER.—The orange-rose wings roll and fold; the standard is reflexed, showing the distinctly fluted effect, and it of an intense rich crimson-orange. The blooms are truly of a gigantic size—the ruffled standard measuring two inches across. Per pkt. 10c; oz. 30c

Striped.

RAMONA SPENCER.—Very attractive, clear white, with soft, delicate lines and flakes of bluish pink. Pkt. 10c; oz. 40c

THE NEW GIGANTIC SPENCER TYPES

The flowers come three and four on stems 12 to 15 inches long, and are not only of extremely large size, but are distinct in having the outer edges of the standard and wings beautifully crumpled or waved. (See 1912 novelties on preceding page.)

White.

BURPEE'S WHITE SPENCER.—A pure white, of enormous size and splendid substance; long, strong stems. Pkt. 10c; oz. 25c; 4-oz. 75c

Cream.

MRS. W. C. BREADMORE.—An English introduction of exquisite beauty. Buff ground, beautifully edged with pink; a large charming flower. Pkt. 15c; oz. 60c

EVELYN HEMUS.—Cream, with a pink edge. A most exquisite flower and very distinct. Pkt. 15c; oz. 50c

CLARA CURTIS.—The best true yellow; an improvement on Primrose Spencer in color and size. Pkt. 10c; oz. 40c

Pink.

MRS. A. IRELAND.—The form is most beautiful; petals waved and crinkled; distinct serrations on edges of standard. The extra large, long-stemmed flowers are most attractive; the best rosy pink. Pkt. 15c; oz. 50c

CONSTANCE OLIVER.—A refined variety of great beauty and advanced Spencer type. The ground color is creamy yellow, suffused throughout with rich rose-pink, becoming rather lighter towards the base of the standard; both standard and wings are charmingly waved and crimped. The large beautiful flowers, usually in fours well placed on long, strong stems, are borne in rich profusion. Pkt. 15c; oz. 60c

MRS. HENRY BELL.—Giant flowers of finest form. A most charming pink on cream. Improvement on Mrs. Routzahn Spencer. Magnificent in every respect. Pkt. 10c; oz. 40c

Scarlet.

THE KING.—An extra large scarlet, claimed by European growers to be an improvement over any other scarlet Spencer type to date. Try it. Pkt. 15c each; 2 for 25c

KING EDWARD SPENCER.—Of vigorous growth, profuse bloomer, giant flowers of a rich carmine scarlet; long stems; true, selected seed. Pkt. 10c; oz. 25c

Dark Red.

OTHELLO SPENCER.—Of the true Spencer type. The stems are thick and long, and carry well either three or four fine blooms of a rich deep maroon. It is a strong grower and the intensely dark-colored flowers contrast well with the lighter shades already introduced. Pkt. 15c; oz. 50c.

Lavender.

ASTA OHN SPENCER.—Color a beautiful lavender, suffused or tinted with mauve; large, wavy standard and wings, and comes uniformly four blossoms to the stem. Pkt. 10c; oz. 25c

FLORENCE NIGHTINGALE.—(See preceding page.) Blue.

MRS. WALTER WRIGHT SPENCER.—Mauve and blue; a magnificent flower. Pkt. 10c; oz. 30c

CAPTAIN OF THE BLUES, SPENCER.—Standard, clear purple, wings blue; a bright striking color, and decidedly new in this type. Pkt. 10c; oz. 35c

R. R.'S SUPERB MIXTURE NEW GIANT SWEET PEAS

This is our own special mixture and is composed only of the best giant orchid-flowered wavy Spencer types, also contain some new seedlings that have not as yet been named. For healthy, robust growth, wealth of blooms, size of flowers and exquisite and rare colorings, this mixture is unequalled.

Put up and for sale in sealed packets only, ½-oz. pkts. 15c; oz. pkts. 25c each; 3 for 60c; 6 for \$1.00

The quality of our Sweet Peas is unsurpassed. Don't overlook page 49.

Three Beautiful and Distinct Sweet Peas.

Every Sweet Pea Enthusiast should try these 3 novelties. Special, 1 pkt. each only 40c.

NEW DUPLEX—PINK SPENCER

A new European introduction. It is distinct and offered in America for the first time this year—1912.

DUPLEX.—This is different from former so-called double sweet peas. It has persisted for four years in giving a large percentage of fine double-standard flowers. They are produced on almost every plant—four-bloom sprays giving two and smaller sprays in three of the flowers double, and the twin or triple standards are well placed. The color is a rich cream-pink. When bunched it is most effective. It is an extra strong grower and we are certain it will take rank at the very top as a market variety, besides being fit for any first-prize stand. Messrs. Lowe & Shawyer, Ltd., of Uxbridge, England, who have had an advance trial, say it is "the best pink sweet pea we have yet grown on our place."—Description of Messrs. Dobbie & Co., with whom this sterling novelty originated. Sold in original sealed pkts. only, 25c each; 3 pkts for 60c

ROSE DU BARRI—New Shade

A lovely combination of deep, rich carmine-rose and orange. While the flower is not of Spencer form or size, yet it is slightly waved and for boutonnières or table decoration it is "really a gem." Its brilliant beauty must appeal to every lover of esthetic shades. The plants, of strong, vigorous growth, are wonderfully profuse in bloom—and every flower is alike! One of the leading experts of England—Mr. A. Ireland, Marks Tey, Essex, writes: "It is unique and distinct, a charming flower. One of the best decorative peas ever introduced. For artificial light it is unsurpassed." Pkt. 10c; oz. 40c

PICOTEE—Charming Novelty

A lovely new and distinct variety of "Spencer" form. Flowers white beautifully edged carmine, large and well waved. In most cases flowers are borne four on a stem, well placed and of grand substance, free from the coarseness in placing often seen in certain varieties of the "Spencer" type. Strong grower, and should be a grand addition. Will be in great demand both as an exhibition and florist's variety. Pkt. 25c; 3 for 60c

Countless Collection Sweet Peas.

FOR 40c.—Six distinct and beautiful colors, all large The full collection, including 1 pkt. each Asta Ohn with leaflet, "How to Grow Sweet Peas," for only 40c postpaid.

Countess Spencer.—Improved strain. Flowers extremely large, beautifully expanded, crumpled and waved. Color silvery white, suffused and tinted with soft shell pink, deeper at the outer edges. True seed. Pkt. 10c; oz. 20c; 4-oz. 50c
Gladya Unwin.—Self-colored, clear, bright pink, profuse bloomer. Pkt. 10c; oz. 15c; 4-oz. 40c
Nora Unwin.—Pure white and giant in size; exquisitely crinkled, wavy petals, four or more flowers to the stem. Pkt. 10c; oz. 15c; 4-oz. 40c

wavy flowers that come three to four on long stems. Spencer, lavender, and King Edward Spencer, scarlet, 40c postpaid.

Phyllis Unwin.—Light rose, with large, wavy petal-aided flowers. A very effective shade. Pkt. 10c; oz. 15c; 4-oz. 40c

Primrose Spencer.—A pronounced primrose or creamy white. Pkt. 10c; oz. 20c; 4-oz. 50c

St. George.—An English introduction; vigorous grower and wonderfully profuse in flowering. Magnificent large flowers; beautiful and brilliant; rich orange shade. Pkt. 10c; oz. 20c; 4-oz. 50c

Popular and Best Grandiflora Sweet Peas.

Aside from the preceding varieties, these are the "cream" of over 100 named varieties
Prices: Your selection, pkt. 5c, 7 pkts. for 25c; oz. 10c, 7 one-oz. pkts. 50c; ¼-lb. 20c; lb. 60c.

WHITE.

Dorothy Eckford.—A good white of the largest and best grandiflora type. A very hardy and free bloomer.

PRIMROSE.

Mrs. Collier.—A rich primrose tint, entirely free from any trace of pink.

BLUSH PINK.

Lovely.—Beautiful shades of soft shell pink, changing to very light rose at the outer edges.

PINK.

Janet Scott.—Clear pink at the base and shading to buff at the edges.

Paradise.—A most charming flower; a fresh, delicate pink, with edges of a deeper shade of pink. Four giant flowers on a stout, long stem.

ROSE.

John Ingman.—A rich carmine-rose in the standard, with wings of a deep rosy pink. The flowers are large and come generally four to a spray, borne upon long, stiff stems.

RED-SCARLET.

King Edward VII.—Large flowers of open form, bright crimson-scarlet. The stems are long and invariably carry three fine flowers.

Othello (Improved Black Knight).—Very dark red, shaded almost black.

ORANGE.

Henry Eckford.—The flowers are self-colored, in a bright, soft flaming orange, deepening slightly in

the center. To secure the finest color effect the flowers should be cut as soon as opened.

Miss Willmott.—A bright orange-pink, showing veins of a deeper tint.

PINK AND WHITE.

Blanche Ferry.—Bright rose standard with white wings.

BLUE AND WHITE.

Maid of Honor.—The flowers are beautifully shaded with light blue on a white ground and edged with narrow border of deep rich violet; very dainty.

STRIPED AND MOTTLED.

America.—Heavily striped with bright red on silvery white ground.

Aurora.—Both standard and wings beautifully flaked with bright orange-salmon on a creamy white ground.

Helen Pierce.—Color pure white, peppered or mottled with bright blue, the veins showing a little deeper. The effect is very fine especially when bunched by itself.

LAVENDER.

Frank Dolby.—Pale blue, very large and handsome; four flowers to a stem; beautifully waved petals.

Lady Griseld Hamilton.—A grand, pale lavender. Planted extensively by florists for the best lavender.

BLUE.

Lord Nelson (Brilliant Blue).—Very large, slightly hooded, the most desirable blue.

Rose City Mixture of Grandiflora Sweet Peas

Extraordinary care has been taken in the selection of the varieties and the quantities of each to make up the mixture, and the result is one that cannot fail to excite the admiration of even the most critical. Only the latest and best varieties representing the ideal type are mixed in such proportions as to give a perfect blend of color. Large pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

R. R.'s Superb Spencer Mixed

A special mixture. (See page 50.)

Double Mixed

These generally bloom about 50 per cent double flowers. Pkt. 10c; oz. 20c

Cupid Sweet Peas

Compact dwarf plants, not over six or seven inches high. Flowers of good size and substance. For edgings, low beds and pot culture they are unique and pretty. White, pink, primrose, scarlet, lavender or mixed. Pkt. 5c; oz. 15c; ¼-lb. 40c; lb. \$1.00

BEAUTIFUL, HARDY LILIES

These are the most fragrant, beautiful and stately of all flowers produced from bulbs; they require very little care. Do not disturb them oftener than every three to five years. Plant about six to twelve inches deep, according to size of bulb, and if the ground is not well drained use plenty of sand around the bulb, and lay it on its side. Plant in clusters of groups of six or more for best effect. The *Formosa* and *Longiflorum* Lilies force very easily. The *Speciosum* are, next to the *Auratum*s, the most magnificent species for outdoor culture. They increase in size and beauty each year.



Lilium Auratum (one-fifth actual size.)

LILIUM CANDIDUM.—This is the ever-popular, fragrant, snow-white, hardy garden Lily. The flowers are produced in clusters, at the top of 4 to 5-foot stems; blooms in the open ground in June. Should be planted in September.

Each, 15c; dozen, \$1.50; mammoth bulbs, 20c

LILIUM L. FORMOSUM.—This new Lily from Japan has taken the place of *L. Harrisi* on this Coast. The best for early forcing. Bulbs arrive in September. Plant in the fall or early spring.

Each, 20c; dozen, \$2.00

LILIUM LONGIFLORUM.—Very much like the above but a little later; planted by the thousands by florists for Easter flowers; profuse bloomer. In the open ground they bloom in June and July.

Each, 15c; dozen, \$1.50; mammoth bulbs, 20c

AURATUM. The handsomest and probably the most popular of the Japan Lilies. Its immense ivory-white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a golden band, shading its edges into white; very fragrant.

Each, 15c; doz., \$1.50; mammoth bulbs, 20c; doz. \$2.00.

AURATUM PICTUM. A most magnificent flower of same shape and color as *Auratum* above except that one-half of the gold band on each petal is a bright crimson; very rare and showy.

Each, 35c; doz., \$3.00.

AURATUM BUBRUM VITTATUM. Very large flowers, often one foot across, pure ivory-white, with broad crimson stripe through center of each petal.

Each, 75c; doz., \$7.00.

LILIUM SPECIOSUM. No words can overestimate the brilliant beauty of this charming variety. Its six broad white or pink petals are thickly dotted with rose or carmine spots, and the graceful form, brilliant color, and exquisite fragrance make this one of the most effective and desirable of the lily family. They are profuse bloomers, and last for many days after being cut and put in water.

SPECIOSUM ALBUM. Pure white; flowers freely.

Each, 20c; doz., \$2.00; mammoth bulbs, 25c; doz. \$2.50.

SPECIOSUM RUBRUM. White, with dark rose spots.

Each, 15c; doz., \$1.50; mammoth bulbs, 20c.

SPECIOSUM MAGNIFICUM. A new and rare variety; the finest of all the *Speciosum*s; flowers very large, white, shaded rich blood crimson, heavily spotted; very rich and showy.

Each, 20c; doz., \$2.00; mammoth bulbs, 25c; doz. \$2.50.

BATEMANNI. A Japanese Lily, producing bright apricot-shaded flowers, 3 to 4 feet; July and August.

Each, 20c; doz., \$2.00.

RUBELLUM. Rather new. One of the best pink lilies; grows 2½ feet high, and usually bears from six to eight fine pink flowers in August.

Each, 25c; doz., \$2.50.

HENRYI. New; flowers dark reddish, yellow, marbled with a few irregular brown spots; very hardy; often six feet.

Each, 75c; doz., \$7.50.

CORDIFOLIUM. Leaves heart-shaped; flower pure white and trumpet-shaped; native of Northern Japan.

Each, 20c; dozen, \$2.00.

DAURICUM (10-12). (*Umbellatum*). One of the best hardy garden lilies; strong, sturdy habit, growing from 2 to 3 feet high, having large, showy orange-red flowers, held upright in clusters at the summit; of easy culture, thriving under ordinary garden conditions; flowering in June and July.

Each, 20c; doz., \$2.00.

KRAMERI. One of the most lovely of all known lilies; slender, waving stems, about two feet high, with large flowers of a most beautiful rose color. August.

Each, 25c; doz., \$2.50.

LEICHTLINI. Flowers pure canary-yellow, with crimson spots; 3 to 5 feet; August.

Each, 40c; doz., \$4.00.

ELEGANS, ALICE WILSON. A very beautiful variety, with large, bright lemon-yellow flowers, borne erect and in clusters; will succeed anywhere and is very hardy.

Each, 75c; doz., \$7.50.

ELEGANS INCOMPARABLE. One of the richest and brightest red lilies; slightly spotted black.

Each, 20c; doz., \$2.00.

ELEGANS ATROSANGUINEUM. The erect, deep rich red flowers are beautiful, large size.

Each, 20c; doz., \$2.00.

ELEGANS SEMI-PLENO. The small, erect center petals are fringed and give the flower a semi-double appearance; outside petals red, center white; very showy.

Each 30c; doz., \$3.00.

ELEGANS FLORA-PLENO. Flowers erect, full and double; orange red; very rare.

Each, 75c; doz., \$7.50.

TIGRINUM FLORE PLENO (12). (Double Tiger Lily). A magnificent lily of stately habit, bearing immense clusters of large, double flowers; color bright orange, spotted with black.

Each, 20c; doz., \$2.00.

TIGRINUM SPLENDENS (12) (Improved Single Tiger Lily). Large flowers of excellent form; color orange salmon, with dark spots; hardy and free bloomer.

Each, 15c; doz., \$1.50; mammoth size, 20c; doz., \$2.00.

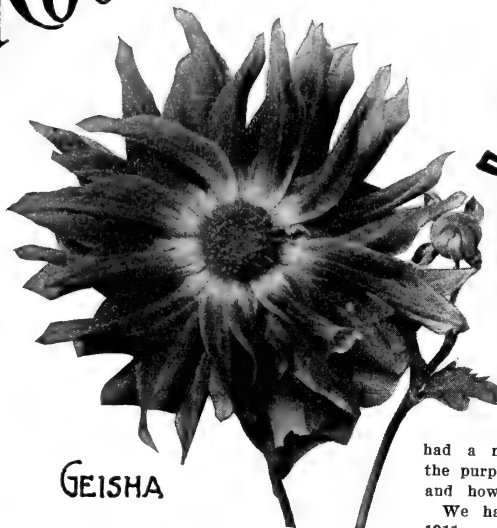
WASHINGTONIANUM (10) (Mt. Hood Lily). A beautiful lily, native of Oregon; flower of open form; white, tinted with lilac; grows 3 to 5 feet high; very fragrant.

Each, 20c; doz., \$2.00; mammoth bulbs, 25c each.

NOTE.—On display at our salesroom we have colored plates of all our Lilies, which show you just the shape and colors.

ROUTLEDGE SEED AND FLORAL CO'S

NEW AND POPULAR DAHLIAS



GEISHA

We are the largest growers of new and up-to-date Dahlias in the Northwest.

All Dahlia Bulbs delivered free anywhere in United States.

No doubt many of our customers will remember the beautiful displays of cut flowers we made in this city last fall. Also our large growing exhibit at the State Fair at Salem, Ore., and Spokane, Wash., where we had a most magnificent display which was made for the purpose of showing the new and up-to-date varieties and how easily they are grown out of doors.

We have all varieties shown and some new foreign 1911 novelties of special merit.

New Holland Peony Dahlias

These produce long-stemmed, large, handsome, showy flowers of the most odd and fantastic shapes (see cut above) and are the most profuse bloomers. Never have we grown or shown a new flower which was received with such instant favor by the public and so eagerly bought. Two years ago there were only a few colors. This year we offer you a magnificent collection at greatly reduced prices.

GEISHA

Has created a sensation at every display we have made. Its large, fantastic and beautiful flowers pleased everyone. Aside from our 1912 novelty, Mad. Jeanne Martin, Geisha is in our opinion the best peony dahlia to date. The color of Geisha is unique, being a rich, bright golden yellow, suffused with clear bright red, shading toward points of petals into the clear yellow; a beautiful deep golden center adds to the harmony of the color scheme which is the most striking and brilliant ever seen in a Dahlia. The immense flowers often attain a width of 10 to 12 inches, and the massive petals, more than in any other peony type, are twisted and curled in the most fantastic manner. Geisha is a sure grower and free bloomer even in the driest weather.

Each, 75c

MADAME JEANNE MARTIN—

1911 Novelty

This new French novelty is most attractive; the large flowers are semi-double (full petaled) and quite distinct. Ground color yellow, striped and splashed garnet red. The red of the individual flowers varies greatly on the same plant, making it most interesting.

Plants, \$2.00 each

PURE WHITE

SNOW QUEEN.—A beautiful pure white; full twisted petals; stiff stems. Each, 50c

QUEEN WILHELMINA.—Pure White; flat petals; free bloomer.

BARON G. DE GRANCY.—Beautiful white flowers on stiff stems. Each, 50c

WHITE, SHADED

ALICE ROOSEVELT (1911).—Beautiful well formed full flowers; color white, shaded lilac. Very desirable and new. Plants each \$1.00

DR. K. W. VAN GORKOM.—Magnificent large blooms, white, softly shaded rose. Very free-blooming. Plants each 75c

QUEEN ALEXANDRA.—Bears elegant flowers of sulphur and white. Fine form. Each 40c

H. J. LOVINC (1911).—A grand large flower, white shaded lilac. Excellent. Plants each \$1.00

CREAM OR YELLOW

KING LEOPOLD.—Color varying from cream-yellow to white; flowers flat petaled, on long stiff stems. Each 35c

QUEEN AUGUSTA VICTORIA.—Primrose or creamy white. Large flowers. Each 50c

CAESAR (1911).—The best yellow. Grand flowers, full and fantastic, stiff stems. Plants each 75c

PINK

QUEEN EMMA.—First-class flower, irregular ranges of petals; strong stems and giant flowers of rosy pink, showing shade of yellow to the center; long stiff stems. Bright and most desirable.

ANDREW CARNEGIE.—Color salmon-pink, with bronze shadings; the form is most unique, resembling a giant sunflower. Each 60c

BERTHA VON SUTNER.—Color beautiful salmon-pink, shaded yellow; the large flowers are of elegant form, and carried erect on strong stems. Each 50c

ORANGE AND SALMON

GLORY OF GROENEKAN.—Orange-yellow; extra large flower. Each 35c; dozen \$3.00

P. W. JANSSEN.—Old rose, with dash of yellow to the center. Excellent stems and flowers. Free bloomer.

RED

GERMANIA.—Bright glowing crimson, the best in this color.

KING EDWARD.—Large flower, purple crimson; quite distinct. Plants each 75c

Prices—Any of the above 35c each, \$3.00 dozen, if not otherwise priced.

PLANT MORE OF THE BEAUTIFUL DAHLIAS

Portland and the cities all along this coast are ideally located for dahlias, and they grow to perfection here. They are of the easiest culture and require less care than any other beautiful flower that we know of. All Portlanders who have cottages at the seashore should have dahlias planted there, early in the spring for summer flowers; they grow lovely there.

Our
Book
How to
grow
and
care for
Dahlias,
Free.



Classification:

No. 1—Pompon.

No. 2-3—Show or quilled.

No. 4-6—Cactus type.

No. 5-7—Decorative.

Send some Dahlia Bulbs to your cottage at the seashore and have flowers all summer.

A hedge of Free Flowering Dahlias is as beautiful and more showy than a hedge of Roses. They are in full bloom when other flowers are scarce.

Latest and Best Dahlias for 1912

On this page we offer you the finest and most beautiful dahlias to date. On our dahlia farm we "try out" each season hundreds of new dahlias gathered together from all the leading dahlia growers of Europe and America, keeping only those that show perfection in growth of plant and flowers. We offer you new dahlias of sterling merit.

PLANTS.—Please note that of some rare varieties we supply plants only, which are considered by experts to be superior to bulbs for producing perfect flowers. We will also send plants when we run out of dry bulbs.

New and Improved Types, Cactus Dahlia

MADMOISELLE CAZALIS.—A grand new pure white, long flat pointed petals, full to the center. A profuse bloomer and the best for cutting on account of its long strong stems. By far the best white cactus to date. **Plants each \$1.50**

MONSIEUR LECLERE.—A superb primrose, yellow at the center. A great improvement over any in this color. Petals rolled and twisted. **Plants each \$1.00**

YVONNE MAUMONT.—Odd and fantastic; petals long and twisted; incurving. Flowers large; orange overlaid red; distinct. **Plants each \$1.00**

VILLE DE LYON.—Beautiful lilac rose, white center, splendid shape and extra large. Long pointed petals. Grand in every way. **Plants each 75c**

BERENICE.—Very attractive; deep red; the points of the flat petals are heavily tipped pure white; center of flower suffused yellow. Good stems. **Plants each 75c**

BORNEMAN'S LIEBLING.—Extra large and beautiful, clear pink. Type of flowers, extra good stems and profusion of blooms, makes this German introduction the best pink in all our collection. **Each 75c**

GOLDREGEN.—This is by far the best pure yellow cactus dahlia to date. The large handsome flowers are perfect in form and held erect on long stiff stems. Petals are long and somewhat rolled, not very pointed. An ideal yellow. **Each 75c**

OLIVER TWIST.—The most incurred variety in existence. Rich crimson-scarlet petals, finely twisted. **Each 50c**

Decorative Dahlias of Superior Merit

The following produce flowers of mammoth size; 7 to 10 inches across is not unusual. Flowers full to the center but flat petaled like "No. 5 and 7 (see cut).

Special—1 each of the following 5 kinds \$2.25 postpaid.

PRINCESS JULIANNE.—Award of Merit, Amsterdam; Award of Merit, R. H. S. London, 1910. A grand new novelty, created great attraction. Flower pure white, perfect shape, stands erect on long stiff stems and lasts for days. Our stock was the first to come to the United States. **Plants only \$1.50 each**

DELICE.—New. The finest pink-colored Decorative Dahlia, excellent in form; perfect in type; superb yet delicate in coloring. Color bright pink, suffused with a lavender pink. **Each 50c**

YELLOW COLOSSE.—A grand large flower. It is the best exhibition yellow now in existence. The flowers come very perfect on good long stems. **Plants each 40c**

PROF. MANSFIELD.—A grand Dahlia. It is an immense "decorative" 7 to 8 inches in diameter. The color is a rich yellow with clear white tips, and a slight marking of rosy-red toward the center. **Each 35c**

SOUVENIR DE GUSTAVE DOAZON.—The largest decorative dahlia to date; 9 inches across; a monster. These immense flowers are borne in profusion from the earliest moment of blooming until the very last; it improves with the season and grows more perfect; color a rich scarlet. **Each 25c; dozen \$2.50**

Four Superb Show Dahlias for 1912

These are large and distinct from the average "type," and are most perfect in form and texture. "In a class by themselves;" make an ideal collection. Excellent for cutting.

For form of flower see "No. 2" opposite page. One of each of the 4 varieties, \$1.25 postpaid.

W. W. RAWSON.—The massive, perfect but graceful flowers are borne on long, stiff, erect stems. The petals toward the center are quilled similar to Grand Duke Alexis, toward the outer part they are more open and flat. The color is pure white, overlaid with amethyst-blue; this wonderful combination gives it the appearance of a delicate lavender. **Each 50c; dozen \$5.00**

DREER'S WHITE.—A pure, glistening white, resembling in form the popular Grand Duke Alexis. Free flowering and most valuable for cutting and show. **Each 35c; dozen \$3.50**

MRS. ROOSEVELT.—A most beautiful flower. It is of immense size, fine color, graceful form and has excellent stems for cutting; the flowers are perfectly double, 6 to 8 inches in diameter and of a most delicate pink. **Each 40c; dozen \$4.00**

GRAND DUKE ALEXIS.—This is not a new variety, but has never been outclassed by any of the newer introductions. It is a grand, large flower and always scarce on the market on account of the large demand. Color, ivory white, lightly tinged rosy lavender on edge of petals. **Each 35c; dozen \$3.00**

Collerette Dahlias

An entirely distinct type, having a row of short petals around the disc, which form a frill or collar, and which are of entirely different color from the rest of the flower. We offer four distinct novelties from France. **Plants each 50c; 4 for \$1.50**

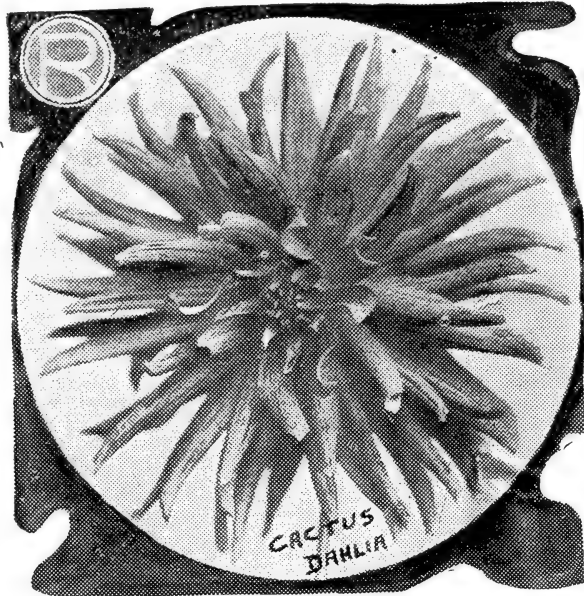
NEW DWARF MIGNON DAHLIA—

Valuable novelty from Holland; for description see page 57.

Our prices are not the cheapest, but our seeds are of the HIGHEST quality. THAT MAKES THEM CHEAPEST IN THE END. Invest a little extra at planting time and you will be more than pleased with returns.

Cactus Dahlias of Real Merit

Aside from the 1911-1912 novelties offered on the preceding pages the following are "par excellent"—every one a "real gem."



WHITE

Fairy.—Pure white, very narrow, long, narrowing and twisting petals; beautiful form; the most refined of this color. Each 25c

Florence M. Stredwich.—Large and splendid shape; a very fine, pure-white variety. Each 20c

Lavine.—White; large size; early and free, with strong stems, holding the flower erect. Each 25c

Pius 10th.—Cream white; narrow, elegant petals, with habit of growth all that can be desired, throwing the blossoms well above the foliage on long, stiff stalks. Each 40c

PINK

Frau Hermina Marx.—Abundant bloomer. Flowers of fine form; charming pink, slightly changing to flesh color in the center. Each 25c

Kriemhilde.—Flesh delicate pink, shading to white in the center; a most decorative variety for cutting; lasts well when cut. Each 20c; dozen \$2.00

Koenigin Louise.—Pink; free bloomer; flowers delicate rose, shaded white; fine form; pointed petals. Each 35c

Mrs. Macmillan.—A beautiful deep pink; lighter to the center; extra large; flower stem long and strong. Each 40c

Rainbow.—Soft pink, somewhat paler in the center; florets long and inclined to curve. Each 50c

Ruth Forbes.—The massive clear pink flowers composed of heavy petals are often accompanied by stems measuring 3 feet in length; extra stout, and excel any other variety for large vase purposes. Each 60c

SHADED COLORS

Aurora.—Colossal in size; elegant in form; most perfect in type, and of the most exquisite coloring; attractive soft pink, slightly tipped white; the heart of the flower brilliant golden. Each 30c

Countess of Lonsdale.—For perfection of bloom, size and erectness of stem, abundance of flowers and general use as a garden flower, although quite old, this variety has never been equaled. The color is a rich salmon, tinted apricot. Each 20c; dozen \$2.00

Capstan.—Orange-scarlet, shaded apricot. Each 15c

Columbia.—Bright vermillion; tip of each floret pure white; attractive. Each 20c

Cornucopia.—Deep red-dish salmon, large. Each 30c

Effective.—Chamois rose, with yellow shadings; pointed petals; very distinct; flowers freely. Each 25c

Master Carl.—Gigantic flowers of perfect form and bright amber color. This is one of the finest Dahlias in our collection. Each 35c

Miss Dorothy Olliver.—Pale Primrose; large flower; pointed petals. Each 40c

Modern.—Color deep yellow, flower full, medium size, flat at the base with pointed tips. Each 40c

Papagei.—A pretty, fancy or variegated variety; yellow, with bright rosy-red variegations. Each 25c

Prince of Orange.—A remarkable combination of old gold, orange and yellow; a large, perfect flower; stiff stems; free bloomer. Each 30c

Richard Dean.—Red, heavily tipped with white. Each 25c

Rosy Morn.—A large flower of excellent form; color peach blossom. Each 25c

Thuringia.—Large, bright orange-scarlet. Each 30c

YELLOW

Armigo.—Lovely large flower with long incurved petals; color clear chrome yellow; a magnificent exhibition flower. Each 60c

Prince of Yellows.—Rich canary yellow. Each 20c

Stern.—A beautiful flat-petaled, star-shaped flower of pure lemon-yellow; free flowering. Each 30c

RED SHADES

Berlichingen.—Crimson-carmine. Each 25c
Cardinal King.—A brilliant, rich cardinal red; flowers of perfect form and exceptionally large; a grand exhibition variety. Each 60c

Emperor.—Plum color; quite velvety. Each 30c

J. H. Jackson.—One of the finest red Cactus; perfect flowers, with long, pointed florets. Each 20c

Loyalty.—Petals claw-like, fluted, incurving; fantastic; bright coral-red. Each 35c

Nelson.—Distinct flowers; large and very freely produced on long stems; petals long, very narrow and curling in a most elegant manner; color rich crimson, shading to magenta. Each 65c

Rother.—Long, twisted petals; rich, bright garnet color. Each 35c

Staghorn.—Bright carmine, the petals being furcated on the end; odd and fantastic. Each 25c

Uncle Tom.—Free bloomer; deep crimson, almost black; petal rather flat and pointed. Each 20c

Our Booklet, The Growing and Cultivating of Dahlias, sent free with every order.
 Plant more Dahlias. They bloom when other flowers are scarce.

Decorative Dahlias

These are a very pleasing type, with broader petals, that generally overlap one another (see illustration page 54 "No. 5-7"); fine for cutting and displays. For new novelties see page 54.

Special—One bulb each in this collection only \$1.75 postpaid.

RED SHADES

Jack Rose.—A grand variety, splendid for cutting; flowers are full in center, measuring 6 to 7 inches across; color is that of the Jacqueminot rose, from which it derives its name; that rich velvety crimson which cannot be found elsewhere; a most useful variety. **Each 35c**

Navajo.—For richness of color this Dahlia has no equal. Its bold, rich flowers are a most intense velvety red. **Each 25c; dozen \$2.50**

Souvenir de Gustave Doazon.—(See page 55.)

SHADED

Estella.—Flowers medium in size, but very odd and attractive; white-streaked and oddly marked with red. **Each 20c**

Opal Queen.—New; color the same and as difficult to describe as the opal itself. A pleasing and rare color. **Each 20c**

WHITE

Kaiserin Augusta Victoria.—The perfect pure white flowers are borne in great profusion on most erect, stout stems, all above the foliage. For landscape work or general garden use this variety is especially valuable. **Each 40c**

Miss Francis Fell.—Pure white; the blooms being large, are grand for exhibition and are always deep and good in the center. **Each 25c**

Mrs. Winter.—Claimed by many to be the best white in this class for cutting; pure white. **Each 15c**

PINK

Lucy Frevier.—A grand large pink of fine texture and most desirable in every way. **Each 35c**

Mme. Van Den Dael.—A splendid, large, decorative variety for cutting; color soft rose, with deeper markings, shading to creamy white in the center. **Each 20c**

Show Dahlias—Quilled

These are the best 12 varieties from several hundred that we have tested in this class. Excellent for cutting and stand handling and shipping well. In shape they are rather round or ball-shaped, and the petals are quilled (see illustration page 54, Nos. 2 and 3).

SPECIAL—One bulb each (12) in this collection only \$2.25 postpaid.

WHITE

Glorie de Lyon.—Very large, pure white; this really is the finest white we have seen. **Each 30c**

PINK

A. D. Livoni.—A beautiful, clear pink; very free flowering; fine for cutting. **Each 15c**

Fascination.—Rose pink, sometimes striped white; fine, free flowering. **Each 20c**

YELLOW

Thomas Pendred.—Clear yellow; this is without doubt the finest yellow show dahlia ever offered in this class. **Each 30c**

Norma.—Bright orange; one of the best grown; extra fine shape. **Each 20c**

RED

Diadem.—Rich crimson; large, fine form; long stems. **Each 30c**

Willie Garrett.—Bright rich red; fine flower. **20c**

SHADED AND VARIEGATED

John Bennett.—Yellow, deeply edged scarlet; free, flowers very attractive. **Each 25c**

Gold Medal.—Clear yellow; edged red. **Each 20c**

W. P. Laird.—Lilac, veined darker; very fine form; odd color. **Each 20c**

Lucy Fawcett.—Sulphur-yellow, flaked crimson. **15c**

Henry Clark.—Pure lilac, edged and pencilled with a deeper shade, and irregularly blotched with clear yellow; coloring is unique. **Each 25c**

POMPON DAHLIAS

This class produces small, very double-quilled flowers of medium size, which are ideal for bouquet work. They grow about 3 feet high, very bushy and flower freely.

Price: Any color, 15c each; \$1.25 dozen

Catherine.—Best yellow; long stems.

Nerissa.—Soft pink, tinted silver; new.

Darkest of All.—Dark velvety red.

New Dwarf Mignon Dahlias

1911—New and Distinct Class.

This valuable novelty is an entirely new strain among the species of Dahlias. Its free flowering and very dwarf, compact habit (15 inches) makes it one of the most desirable bedding plants. (See illustration.) Mignon Dahlias produce from June until frosts well-formed, long-stemmed single flowers of medium size and magnificent colors. Excellent for mass planting or cutting for vases or decorating. Fine stems and last well in water.

The flower committee at Amsterdam awarded this new race, on account of its great merits for bedding and cutting purposes, five first-class certificates and five awards of merit.

White, Yellow, Scarlet, Orange or Purple, each 50c; 6 for \$2.50; dozen \$4.00

PRICE.—Last season, \$1.00 each.



New Dwarf Mignon Dahlia.

SPECIAL—We grow Dahlia Bulbs by the thousand, and make florists and cut-flower growers liberal discounts. All Dahlia Bulbs ready after February 1. Dahlia Plants after April 1.

ROUTLEDGE'S SUPERB GLADIOLI BULBS

No member of the floral family has made more rapid strides in development than the Gladiolus. The wonderful, beautiful, and large-flowered varieties of today are not to be compared to the small, insignificant varieties of a few years ago. Gladioli bulbs are good from year to year, and multiply quite rapidly, therefore are really not expensive, so buy the "best."

GLORY—A new ruffled type.

Has "distinctiveness" stamped all over it. It will not only revolutionize the family of garden Gladiolus, but will be one of the most important factors in commercial floriculture.

THE TYPE is distinctively new. Broad, expanded, wide, open flowers, paired by twos, face all the same direction and are carried on straight, stout stalks, never less than $3\frac{1}{2}$ feet in height. From four to eight flowers are open at one time.

THE FORM.—Each petal is exquisitely ruffled and fluted at the edges, such as is only noticeable in orchids. It gives the flower a refined appearance, and it appeals instantly to the fancier.

THE COLOR.—Delicate cream pink, with a neat, attractive crimson stripe in the center of each lower petal. Greatly admired this last summer at our displays. Each 20c; dozen \$2.00

We have on display at our store large oil paintings from nature to help you in your selection.

GRAND PRIZE COLLECTION

1 bulb each (9) for \$1.25; 3 bulbs each \$3.00.

Eight of the new and best introduction to date, all of the most pleasing colors.

AMERICA.—Without a rival. New and most desirable. A grand, large spike and flower; beautiful flesh color, almost white. Each 10c; dozen \$1.00; 100 \$7.50

ATTRACTION.—Deep, dark, rich crimson with a large, pure white center. Very attractive. Each 10c; dozen \$1.00; 100 \$7.50

Blanche.—Large flowers, pure snow-white, with but faint marks. Each 20c; dozen \$2.00

BLUE JAY (Baron Hulot).—The finest blue Gladiolus yet seen. It is a rich deep color of indigo shade. Each 20c; dozen \$2.00

BRENCHEYSENSIS.—Vermillion-scarlet; one of the most showy, satisfactory and cheapest. Each 6c; dozen 50c; 100 \$3.00

CONTRAST.—A beautiful spike of perfect form. Color intense scarlet, with a large, distinct pure-white center; one of the most striking and beautiful Gladiolus. Each 25c; doz. \$2.50

CARDINAL.—Perfect flower and spike, very large and the brightest, cleanest and most intense cardinal scarlet yet seen; very rich and showy. Each 15c; doz. \$1.50

MRS. FRANCIS KING.—One of the newer varieties of merit. Color of flower is a light scarlet of a pleasing shade, which attracts attention at once. Flowers are large and are borne on long spikes. Each 10c; dozen \$1.00

SULPHUR KING.—Beautiful, clean, sulphur yellow; finest and clearest of yellow sorts; without any doubt this is the very best yellow variety yet introduced. Each 25c; dozen \$2.50

For mixed Gladioli see top next page.



Gladioli
Grand Prize type
one-third size.

Don't compare our prices with the cheap mail order houses that send out little bulbs that will not flower the first year.

These new, large flowering Gladioli are simply grand. If you have not had an opportunity to see the new types, you cannot imagine how beautiful they are.

Our Grand Mixed Gladioli

Our mixed Gladioli are very fine indeed, being choice varieties only. All old and common ones have been discarded, and customers can depend upon having a large and magnificent variety of colors.

Mixtures Under Separate Colors.

These are very choice and absolutely true to color.

WHITE AND LIGHT varieties.....	Doz. 100	
SCARLET AND RED	\$0.65	\$4.00
PINK and rose shades.....	.50	3.00
YELLOW AND ORANGE .....	.75	4.00
STRIPED AND VARIEGATED	1.00	7.00
	.75	5.00

Dozen price postpaid; 100 price by express, at your expense.

CHOICEST MIXED.—A mixture of named varieties and all sorts, giving in one bed the greatest range of colors and variations. A large per cent of Childs. Great value. Large bulbs, per dozen 75c, postpaid; by express or freight 65c dozen; \$5.00 per 100.

POPULAR MIXTURE.—This mixture will produce a large variety of flowers at a little expense; unequaled for the price.

Per dozen, postpaid, 50c; by express or freight, 40c dozen; \$3.00 per 100.

CANNAS

Such great improvements have been made in Cannas during the past few years that any one not posted would scarcely recognize them. They are now generally considered the most showy and effective bedding plants, and are of the easiest culture, requiring only good garden soil. They have tropical appearing foliage and large, showy flowers, some of which are truly orchid-like.

Plant canna roots early in the spring; just as soon as the ground gets warm. Plants can be planted as late as June 15th with success.

When you buy our plants, you will be sure of success. Plant any time in May or early June, 18 inches apart in beds of the deepest, richest soil you can give them. 19 plants required for a bed 7 feet across.

Prices

Strong roots 20c each, \$2.00 dozen. Large potted plants, 15 to 18 inches high, 35c each, \$3.00 dozen. In case of shortage, we will substitute varieties of same color, unless otherwise instructed.

For Foliage Only.

MUSAFOLIA.—This is the finest foliage Canna yet seen; has enormous musalike leaves of dark green. In size and beauty of foliage it is a revelation. Attains a height of eight feet; beautiful and symmetrical at every stage of growth.

Best Bronze Foliage Varieties.

KING HUMBERT.—Its mammoth flowers are produced in heavy trusses of gigantic size, and are of a brilliant orange scarlet, while the foliage is broad and massive and of a rich, coppery bronze; bold and effective; has no equal; 5 to 6 feet.

ELDORADO.—Bright yellow, heavily marked with scarlet dots; extra fine for bedding; 4 feet.

WYOMING.—Bronzy-purple foliage, with immense spikes of massive orange flowers; 5 feet.

PRESIDENT MEYER.—Fine large flowers. Rich cherry carmine, bronzy foliage; 4 feet.

Sensen, Ore., February 27, 1911.

Routledge Seed & Floral Co.

Dear Sirs: I take this opportunity of thanking you for your promptness in sending the Floral Piece we ordered by telephone, and the flowers were in very good condition.

Also find enclosed an order for some articles.

Yours respectfully,

MRS. J. T. LEE.



Canna Plant, grown in Japanese tub, (from photograph) five feet high.

Best Green Foliage Varieties.

ALICE ROOSEVELT.—Fine red; 4 feet.

FLORENCE VAUGHN.—5 feet; flowers rich golden yellow, thickly dotted with bright golden red.

ITALIA.—5 feet; brilliant red; edged with a band of clear yellow.

LOUISE.—5 feet; flowers large size; soft, deep, rich rose-pink.

MISS BRUNNER.—5 feet; yellow flowers, spotted with bright red.

MRS. KATE GRAY.—Flowers large; rich orange-scarlet, marbled with red, yellow in the throat; 5 feet.

QUEEN CHARLOTTE.—Orange-scarlet, deeply edged with bright canary yellow; 4 feet.

FREE PREMIUMS.—Dont over-look what you get in premiums, inside front cover.

Phone us for Floral Pieces.

Annual Flowering Plants. During April and May we have thousands of Flowering Plants for porch boxes, beds and borders. Prices on request.

LILY OF THE VALLEY

(Arrive about November 1st.)

One of the most charming spring flowering plants, producing in profusion its delicate bell-shaped, delightfully fragrant white flowers. Valleys thrive in any common soil, and will do well in shady situations, where few other plants will succeed. Highly prized for cutting purposes, and exceedingly well adapted for flowering in pots in the winter. Can be forced to bloom in four to six weeks from time of planting. Plant 6 pips to a 6-inch pot.

They are perfectly hardy and most charming planted in beds or borders around the lawn, where they can remain, increase and bloom from year to year. Ready from November to March. Selected Pips, for forcing indoors or planting outside.

Each 5c; dozen 40c; per 100 \$2.50

IRIS

Magnificent plants for the garden. They bloom profusely and are exceedingly showy and fragrant. The colors are brilliant and cover a wide range of different shades and combinations. In the open ground they are perfectly hardy, increase rapidly and make a magnificent display, either in clumps or borders. They do best in rich, moist soils. Plant in the fall or early spring. English and Spanish ready in October. German and Japanese ready in December; native stock earlier.

ENGLISH IRIS—Anglica

Beautiful, attractive and worthy of a place in every garden. Their large, peculiarly shaped flowers remind one of the rare orchids. Set the bulbs in clumps three inches apart each way and three inches deep.

Named varieties as follows: Each, 6c; doz., 50c; 100, \$3.00

Argus.—Pink and white.

Couleur Cardinal.—Dark velvety blue.

Mont Blanc.—Pure white.

Thackeray.—Rich claret color.

Washington.—Pale lavender, mottled blue.

Superfine Mixed.

Each, 5c; dozen, 30c; 100, \$1.50

Lily of Valley (Spray)

Gold Fish, Canaries, Etc.
See what we offer on page 111.

SPANISH IRIS—Iris Hispanica

One of the most satisfactory varieties of Iris to grow, being very hardy and equally good for forcing indoors or garden culture. The flowers are of great beauty, having many different blendings of colors, and if cut when in the bud will last a long time in water. (See cut.)

Named varieties as follows: Each 3c; doz. 25c; 100 \$1.50

Belle Chinoise.—Best golden yellow.

British Queen.—Large, pure white; extra.

Helena.—Beautiful light blue.

Leonidas.—Dark violet blue.

Thunderbolt.—Velvety dark bronze; large flowers.

Superfine Mixed. Each 3c; doz. 20c; 100 \$1.00.

GERMAN IRIS—Iris Germanica

These are perfectly hardy, thrive anywhere, grow and bloom luxuriantly, and are remarkably rich and beautiful in color and graceful in form. Plants well established produce from 50 to 100 spikes of blooms, deliciously fragrant and fine for cutting. (See cut.)

Named varieties as follows: Each 10c; doz. \$1.00; 100 \$9.00.

Aurea.—Rich yellow, falls pale yellow, pencilled brown.

Bouquet Royal.—Silver/white, falls white shaded and pencilled yellow.

Gloire de Hillegom.—Beautiful light blue, falls shaded darker.

Empress Victoria.—Standards satiny violet, falls velvety purple.

Honorable.—Rich yellow, falls yellow shaded, pencilled crimson.

Fine Mixed.—All colors assorted. Each, 8c; doz., 85c; 100 \$6.00

JAPAN IRIS—Kaempferi

The Japanese Iris is quite distinct from all others, and never fails to excite the admiration of all who see it. It is becoming more popular each year. The enormous flowers display a marvelous blending of rich and rare shades. We offer named varieties in the following shaded colors: Blue, Lavender, Red, White and Variegated.

Separate Colors

Mixed, good assortment, all colors.

Each 20c; dozen \$2.00

Each 15c; dozen \$1.50

IRIS—

No. 1. Spanish

No. 2. German

No. 3. English

No. 4. Japanese



ROUTLEDGE'S SELECT HARDY PERENNIALS

No class of plants enjoy greater popularity at the present time than the Hardy Perennials. They have made rapid strides into public favor the past few years, until now they may be considered to have a prominent and a permanent place in our American gardens. Beginning almost before the snow is off the ground, early-flowering varieties open their blossoms, as welcome harbingers of spring. Almost every week until late in the fall some new variety bursts forth into entrancing loveliness, blooming so persistently as to almost defy Jack Frost in his efforts to subdue the floral kingdom. A start may be obtained at so small an expenditure as not to be counted when measured with the satisfaction and pleasure derived from them. Once planted they are there to stay, requiring very little care, increasing in size and bloom and growing better from year to year.

All Perennials unless otherwise priced are 25c each, \$2.50 per dozen, by express or freight at purchaser's expense.

SMALL CLUMPS BY MAIL.—Add 5c extra per clump for postage.

BELLIS PERENNIS—English Daisy

Improved double-flowering, white and pink.
Clumps 25c; small plants 10c each; \$1.00 dozen
Shasta Daisy. (See page 63.)

BOCCONIA—Plumed Poppy

Cordata.—Enormous panicles of buff or creamy white flowers borne above large, heart-shaped leaves; July to September. 6 to 8 feet.

CAMPANULAS, or Bellflowers

Indispensable hardy garden flowers, of much variety of form, some being of tall and imposing habit, while others are dwarf, compact little plants suitable for edging, rockwork, etc.

Persicifolia (Peach Bells).—Blue salver-shaped flowers during June and July; 2 feet.

Alba.—A pure white form of the above.
Medium Calycanthema (Cup and Saucer Canterbury Bells).—A beautiful form of this favorite flower. Blue, Rose and White.

Gigantea Moerheimi.—A grand sort with large spikes of pure white double camellia-like flowers, 2 to 2½ inches in diameter; in bloom from the middle of May until late in July.

CHRYSANTHEMUMS

Hardy Pompon.—Popular for outdoor bedding.
Japanese Fancy Varieties (See page 6.)

COREOPSIS

Lanceolata Grandiflora.—Popular hardy plants. The flowers are a rich golden-yellow, of graceful form and invaluable for cutting; the main crop comes during the latter part of June, but it continues in bloom the entire summer and autumn; it succeeds everywhere; 2 feet.

DELPHINIUM—Hardy Larkspur

These are deservedly one of the most popular subjects in the hardy border, bold, attractive and highly prepossessing plants of easiest culture; perfectly hardy.

Light or Dark Blue or Mixed, 25c each; \$2.50 dozen
Belladonna.—The freest and most continuous blooming of all, never being out of flower from the end of June until cut down by hard frost. Flowers clear turquoise blue. Each 25c; dozen \$3.00

DICENTRA—Bleeding Heart

Blooms in spring and has long, graceful racemes of rosy red flowers, with protruding white inner petals; 3 feet.

DIGITALIS—Foxglove

Old-fashioned hardy biennial plants with broad foliage and showy flowers borne on spikes. June and July. White, Pink or Mixed.

DORONICUM

Plantagineum Excelsum.—Very large orange-yellow flowers with darker center; borne during May, June and July; 2 feet.

FUNKIA—Plantain Lily

The Plantain Lilies are among the easiest plants to manage; their broad, massive foliage makes them attractive subjects for the border even when not in flower. Variegated Leaves.

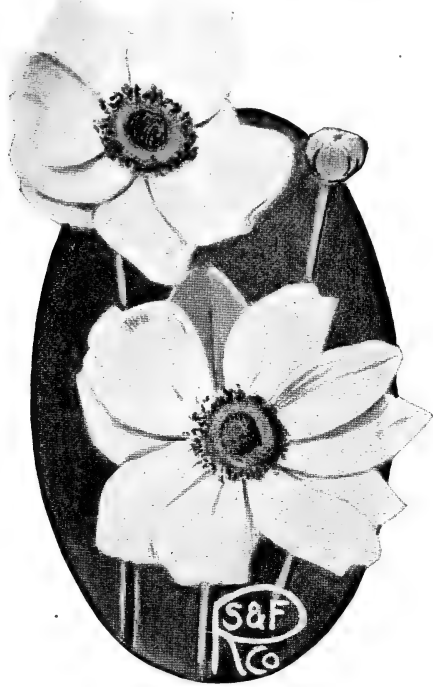
GAILLARDIA—Blanket Flower

Grandiflora.—One of the showiest of perennials. Ray flowers ranging from red to yellow around a dark maroon center; 3 feet; June to frost.

GYPHOPHILA—Baby's Breath

Paniculata.—Minute white flowers borne in enormous quantity in open panicles during summer months. Valuable for cutting; 3 feet.

Paniculata Fl. Pl.—New. Delicate double white flowers, very pretty. Each 50c



Anemone

ACHILLEA—"The Pearl"

Small double white flowers in open heads, blooming profusely all summer. 2½ feet.

ALYSSUM—Gold Dust

Saxatile Compactum.—Large heads of golden yellow flowers in May and June; silvery foliage; fine for rockeries; 6 inches.

ANTHRINUM, New Giant (Snapdragon).—

Fine, hardy garden plant. Spikes of gaily colored flowers in great abundance.

ANEMONE JAPONICA—

These beautiful Windflowers are one of the most important hardy plants. They begin blooming early in August and continue in full beauty until cut down by hard frost.

Whirlwind.—Large semi-double pure white flowers; very free.

Japonica.—Beautiful rosy-red; stamens bright yellow.

Alba.—Large, snowy white; very chaste.

Prince Henry.—Large, very double, deep rich pink flowers.

Rosa Superba.—Delicate silvery-rose; remarkably free flowering.

Extra strong clump of any of the above 35c each

AQUILEGIAS or Columbines

The Columbines are one of the most elegant and beautiful of hardy plants, producing their graceful spurred flowers on stems rising two feet or more above the beautifully divided foliage, and are highly prized for cutting; June to September. Red, Blue, White or Mixed.

REMEMBER, our prices are for large 2-year, field-grown clumps, that will bloom profusely the first season. Seedling plants in spring, 60c dozen up (see pg 6).

PERENNIAL PLANTS—Continued

Prices: Strong field grown clump, 25c each; \$2.50 dozen, unless otherwise priced. Small clumps by mail, 5c extra.



Gaillardia.

HARDY ORNAMENTAL GRASSES

The ornamental grasses, exclusive of the Bamboos, can be used with telling effect in borders, large beds, or by the margin of ponds and lakes. They are often used with small shrubs and medium-sized trees in wide borders.

Eulalia Japonica Variegata.—A very ornamental variety; long, narrow leaves, striped green, white and often pink or yellow.

Small plants 25c; Clumps 50c to 75c each

Gynierium Argenteum (Pampas Grass).—One of the most effective. Its silvery plumes are produced on stems 8 to 10 feet high.

Clumps 60c to 75c and up to \$5.00

Japan Grasses and Reeds

Aside from above kinds we import from Japan a general assortment of the most desirable kinds.

Clumps 50c to 75c and up

HELIANTHUS—Hardy Sunflowers

The perennial Sunflowers are among the most effective hardy plants for large borders for planting among shrubbery, or as clumps on the lawn. Invaluable for decorative purposes or as cut flowers during the summer.

Maximiliana.—The latest of all, perfecting its fine golden-yellow flowers in long, graceful sprays during October, when all others have finished flowering; invaluable for cutting; 5 to 7 feet.

HEUCHERA—Alum Root

Sanguinea.—Small, scarlet flowers in large, graceful panicles. One of the best of the scarlet perennials; 18 inches; June to October.

HIBISCUS—Mallow

A desirable border plant, succeeding in any sunny position, but doing best in a damp place; grows 4 feet high, with large foliage and large, showy flowers of delicate coloring, produced during the entire summer.

Moscheutos (Swamp Rose Mallow).—Flowers 6 inches in diameter; of a light rosy-red color, with darker eye.

Crimson Eye.—Flowers of immense size, often measuring 20 inches in circumference. The color is of the purest white, with a large spot of deep velvety crimson in the centre.

Meehans' Mallow Marvels

A novelty of sterling merit. Every garden owner should possess some of these wonderful plants. They rival all other perennials in immensity and gorgeousness, coloring of flowers, ease of growing and general attractiveness; flowers 10 inches across; from July to frost; 6 to 8 feet.

White, Pink, Red or Crimson. \$1.00 each

HOLLYHOCKS

Few hardy plants combine as many good qualities as the Hollyhock. For planting in rows or groups on the lawn, or for interspersing among shrubbery they are invaluable. The flowers form perfect rosettes of the most lovely shades of color. We offer strong plants, which will flower this season. White, Pink, Yellow, Bright Red or Mixed Colors.

HYPERICUM—St. John's-wort

Moserianum (Gold Flower).—One of the very best herbaceous plants of drooping, trailing nature. Fine for rockeries, etc. Marvelously free-flowering, of large size; rich golden yellow, which is rendered still more effective by the numerous yellow stamens and crimson anthers. June to frost. 18 inches.

25c each; \$2.50 per dozen; \$15.00 per 100

Extra strong clumps, 50c;

IBERIS—Hardy Candytuft

Sempervirens.—Most desirable dwarf plants with evergreen foliage, which is completely hidden with dense heads of white flowers early in the spring.

Iris—All kinds. (See page 60.)

LOBELIAS

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam, where they will not suffer from drought. Few plants are more effective at their season of bloom, which extends from early in August till late in September.

Cardinalis (Cardinal Flower).—Rich, fiery cardinal flowers; strong plants often producing 10 to 18 spikes, 12 to 24 inches long.

Queen Victoria.—Flowers deeper in color than above and with rich bronzy foliage.

LUPINUS—Lupine

Polyphyllus.—An effective plant, producing large spikes of blue flowers. Each 25c; \$2.50 dozen

Roseus.—A very pretty variety with rosy-pink flowers. 35c each; \$3.50 per dozen

MYOSOTIS—Forget-Me-Not

Palustris Sempervirens.—A variety that is hardly ever out of flower; useful in a shady spot in the border.

PAPAVER—Hardy Poppy

Nudicaule (Iceland Poppy).—A beautiful race and among the most desirable of our herbaceous plants. The plant forms tufts of fern-like foliage, from among which the slender flowers-stalks rise to about a foot in height and bear fragrant, cup-shaped flowers of white, yellow and orange-scarlet. The profusion of blooms is astonishing. June to October

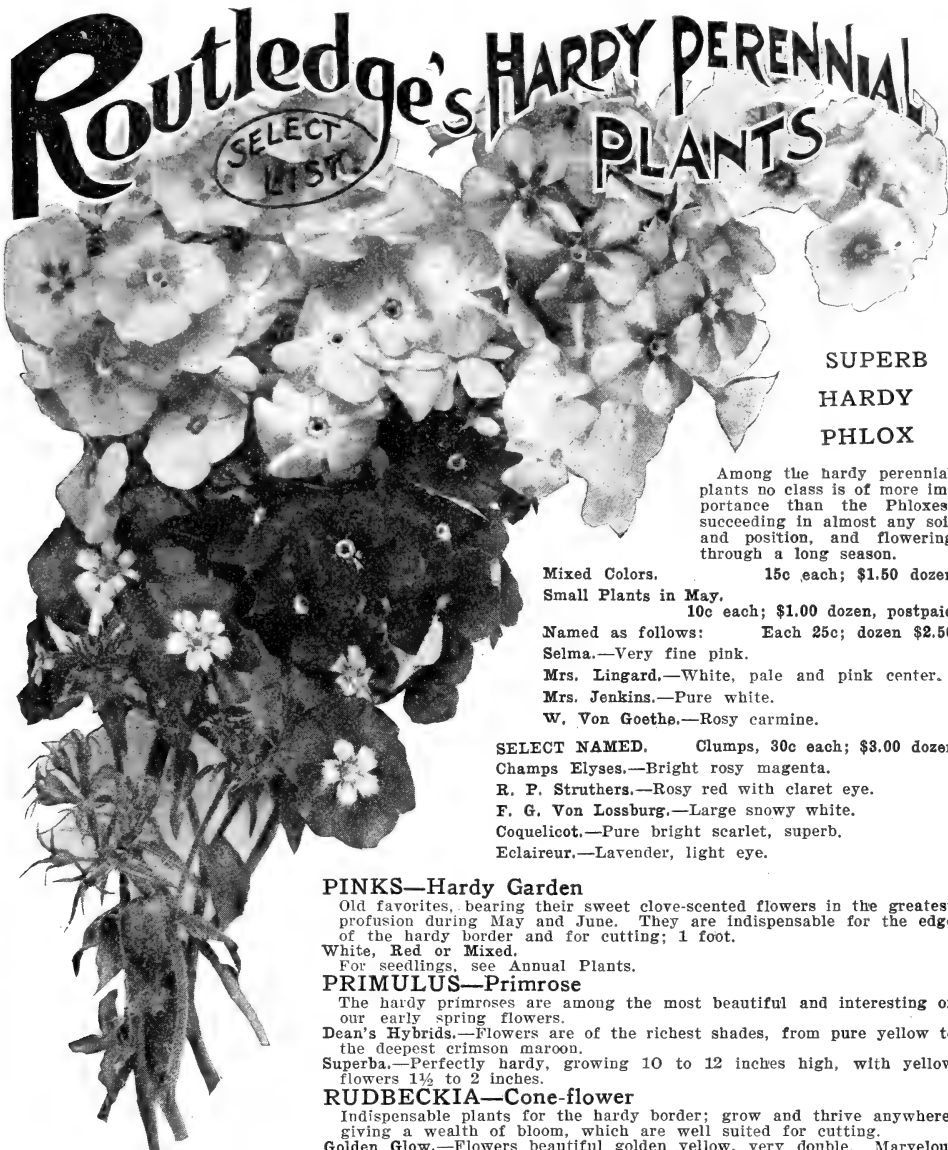
Orienteale.—Bright scarlet with a black blotch at the base of each petal. June to July. 2 to 3 feet.

PHLOX SUBULATA—

Moss, or Mountain Pink

An early spring-flowering type, with pretty moss-like evergreen foliage, which, during the flowering season, is hidden under the masses of white bloom. An excellent plant for the rockery, the border, and invaluable for carpeting the ground or covering graves.

Annual Flowering Plants. During April and May we have thousands of Flowering Plants for porch boxes, beds and border. Prices on request, see pg. 7.



SHASTA DAISY

Chrysanthemum Leucanthemum Daisy.—Very large, daisy-like flowers, often measuring 4 inches across. Three or more rows of petals of the purest paper white and borne on single, stiff stems. 2 feet.

STOCKS

Hardy Varieties for local planting, white or pink.

SWEET WILLIAM—*Dianthus Barbatus*

This fine old-fashioned flower is always desirable and makes a fine show in bloom, June to September. Red, White or Salmon shades.

SWEET VIOLETS

California.—Very showy and beautiful
Princess of Wales.—Flowers single, of gigantic size; color, a very rich shade of blue, and extremely fragrant. Large clumps 25c each; \$2.50 dozen
Small Plants, single or double and blue or white.

10c each; \$1.00 per dozen, postpaid

PINKS—Hardy Garden

Old favorites, bearing their sweet clove-scented flowers in the greatest profusion during May and June. They are indispensable for the edge of the hardy border and for cutting; 1 foot.

White, Red or Mixed.

For seedlings, see Annual Plants.

PRIMULUS—Primrose

The hardy primroses are among the most beautiful and interesting of our early spring flowers.

Dean's Hybrids.—Flowers are of the richest shades, from pure yellow to the deepest crimson maroon.

Superba.—Perfectly hardy, growing 10 to 12 inches high, with yellow flowers 1½ to 2 inches.

RUDBECKIA—Cone-flower

Indispensable plants for the hardy border; grow and thrive anywhere, giving a wealth of bloom, which are well suited for cutting.

Golden Glow.—Flowers beautiful golden yellow, very double. Marvelous continuity of bloom from June till late fall. 6 to 8 feet.

TRITOMA—Red-Hot Poker.—

The early, free and continuous blooming qualities of the newer varieties have made *Tritomas* one of the great bedding plants.

VALERIANA—Spurred Flower

Showy heads of rosy pink, flowers from June to October; 2 feet. Often called Garden Heliotrope.

VINCA—Periwinkle, or Trailing Myrtle

Minor.—Dwarf evergreen trailing plant, used for carpeting the ground under shrubs and trees, or on graves where it is too shady for other plants to thrive. 15c each; \$1.50 dozen

Variegated.—Mostly used in hanging baskets, etc. 15c to 25c each

YUCCA—See page 86.

SUPERB HARDY PHLOX

Among the hardy perennial plants no class is of more importance than the Phloxes, succeeding in almost any soil and position, and flowering through a long season.

Mixed Colors. 15c each; \$1.50 dozen

Small Plants in May. 10c each; \$1.00 dozen, postpaid

Named as follows: Each 25c; dozen \$2.50

Selma.—Very fine pink.

Mrs. Lingard.—White, pale and pink center.

Mrs. Jenkins.—Pure white.

W. Von Goethe.—Rosy carmine.

SELECT NAMED. Clumps, 30c each; \$3.00 dozen

Champs Elyses.—Bright rosy magenta.

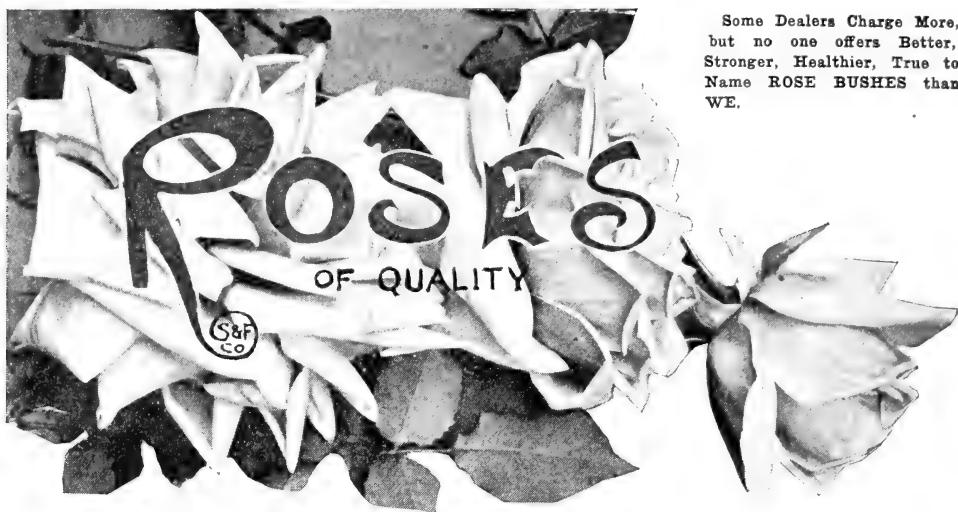
R. P. Struthers.—Rosy red with claret eye.

F. G. Von Lossburg.—Large snowy white.

Coquelicot.—Pure bright scarlet, superb.

Eclairer.—Lavender, light eye.

REMEMBER, our prices are for large 2-year field-grown clumps that will bloom profusely the first season.



Some Dealers Charge More,
but no one offers Better,
Stronger, Healthier, True to
Name ROSE BUSHES than
WE.

For your convenience—Classification under colors

This year we have arranged our roses all under their predominating color, which appeals to us as the most convenient way. While the descriptions are necessarily short on account of limited space, you will get class, color and main points of merit. We have tried to eliminate all out-of-date and inferior sorts. If you want roses for hedging or special beds for certain effects, we will gladly make selections for you or give you our opinion.

ABBREVIATIONS

Following the name of each sort will be noted an abbreviation denoting the class to which the variety belongs. By observing these and reading the following descriptions of such abbreviations, any one may intelligently make selections for all sections and to suit any purpose:

H. P.—HYBRID PERPETUAL.

These are the hardiest of all roses; many will stand the coldest sections; vigorous in growth and easy of culture, producing large flowers, fine in form and fragrance.

T.—TEA.

One of the best classes of roses, and truly ever-blooming. Many of these are the most beautiful and sweetly scented. They are hardy in this section, frequently wintering without any protection, although during our coldest weather and in cold sections they should be protected with a covering of fir boughs, straw or burlap.

H. T.—HYBRID TEA.

These, as a rule, are as free-flowering and as constant bloomers as the tea sorts. They are hardier

than the Teas, but, as a rule, not so hardy as the H. P.'s. Many of this class, however, are practically hardy, and a few are very hardy.

SHIPPING

BY FREIGHT OR EXPRESS.—We always send our 2-year-old rose bushes by express or freight, packing them so they will ship safely, even though they should be on the road for two weeks.

BY MAIL.—If necessary, we can send small 2-year-old bushes by mail at an additional cost of 7c each, to cover postage, but in such cases we always prune the tops and roots, ready for planting, as they carry safer.

NEW ROSES

Each year brings us new introductions in Roses, some very valuable and desirable, others not adapted to general culture, or not as good as our old standby. We watch these new varieties and know where the best stocks are to be had; in fact, have many of them ourselves. Order any kind you want, whether found in this catalog or not. Remit the amount they are listed at by others, and we will secure them for you if they are to be had on this Coast.

Our Rose Bushes Please Others—You Try Them.

Seattle, Wash., May 2, 1911.

Routledge Seed & Floral Co., Portland, Ore.

Dear Sirs: The Roses came in due time, but laid in the express office three days, as we are outside of the delivery district; but they were in good condition; all are doing nicely. Thanks very much for the extra roses.

Sincerely yours,

MRS. E. O. WAITE.

Ashland, Ore., March 29, 1911.

Routledge Seed & Floral Co., Portland, Ore.

Dear Sirs: I received the last shipment of Nursery Stock. All arrived in good condition. Will send more orders soon.

Thanks for your prompt shipments.

Respectfully yours,

WM. NELSON.

OUR PRICES

Following bushes offered are all 2-year-old, field-grown stock, strong, healthy and vigorous, and unless otherwise priced will be 35c each; 6 for \$1.75; 12 for \$3.00. Extra selected 2-year-old, 50c each; 6 for \$2.50; 12, \$4.00. We often are in a position to supply lighter grades for large plantings for less money. Write if interested. See page 70 for prices on 1-year-old, mailing size.

White

FRAU KARL DRUSCHKI (H. P.)—This magnificent variety has taken first prize at all the great flower shows in Europe and America, and is undoubtedly one of the grandest, hardy, pure-white roses ever introduced. Makes splendid buds and immense flowers; vigorous grower, and a constant and abundant bloomer.

WHITE KILLARNEY—A vigorous growing hybrid tea of recent introduction. Its long, pointed buds excellent substance and delicious odor recommend it to every lover of the rose. Color: White, lightly suffused with pale pink. Each 60c

White Showing some Cream or Pink.

FLORENCE PEMBERTON.—Creamy white, suffused pink; the edge of the petals occasionally flushed peach; flowers very large and full, of perfect form; one of the finest roses. Price 60c and 75c

KAISERIN AUGUSTA VICTORIA (H. T.)—A beautiful rose, with elegant, large, pointed buds, and very large, full double flowers; color delicate creamy white; deliciously fragrant. The plant is a strong, healthy grower and constant bloomer; one of the choicest and most trustworthy garden roses; very popular. (See cut.)

MILDRED GRANT.—Moderate, silvery white, shaded peach; blooms large with high pointed center; not a very free grower, but so beautiful that every collection should include it. Price 50c to 75c

MRS. THEO. ROOSEVELT.—Creamy white, center rose; long pointed bud; flowers very large, full and well formed. Price 60c

WHITE LA FRANCE (T.)—This magnificent Rose is white, tinted blush; buds and flowers are extra large, very full and finely formed.

WHITE MAMAN COCHET (T.)—The name describes this new Rose—pure white, grand substance; immense size, exquisitely fragrant and a free bloomer; buds long and pointed; very popular. (See cut.)

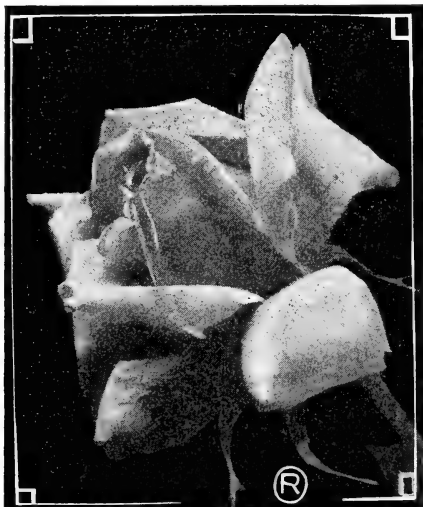
VISCOUNTESS FOLKSTONE (H. T.)—Flowers borne on strong stems, with thick foliage; color delicately tinted flesh, almost white, with beautiful satin finish.

Light Pink

ADMIRAL DEWEY (H. T.)—Of large size and sterling merit. A sport of Mad. Caroline Testout, and superior to that sort in many ways. The ground color is a light flesh tint, almost white, suffused with a beautiful blush, deepening to a rosy blush in the center. Price 50c

BELLE SIEBRECHT (H. T.)—A true, solid pink of the richest shade; a rare color; sweetly perfumed; large, beautifully formed, of long, tapering shape; when half-blown the petals reflex in a graceful manner.

REINE KAROLA DE SAXE.—Lovely soft pink, well displayed in full rounded blooms. It is a strong grower, with handsome leathery foliage. A grand rose for cutting purposes. The pearly pink tones of the flower are of exquisite effect. Price \$1.00



Kaiserin Augusta Victoria



White Killarney.

CLARA WATSON.—Salmon and pink; extremely free in bloom. Buds long and pointed, of elegant proportions, opening into a very large, full flower. A grand new English variety.

KILLARNEY (H. T.)—A strong, robust grower and abundant bloomer; both buds and flowers are large; color brilliant sparkling pink, and delightfully sweet; a great favorite wherever shown.

LA DETROIT (H. T.)—A beautiful shell pink, shaded; a vivid rich color and fascinating; delightful tea fragrance. In form it is large, cup-shaped; petals shell-like; rich, glossy foliage; a rampant, vigorous grower, producing long shoots. Price 50c

LA FRANCE (H. T.)—Perhaps no rose is better known or more highly valued than La France; both flowers and buds are of grand size; color a silvery pink; a general favorite.

MADAME CAROLINE TESTOUT (H. T.)—Probably no rose stands higher in public estimation today than this elegant Rose. It is a better bloomer than the La France, more brilliant in color, and as good in other ways; the petals are large, and of elegant form; exquisitely edged and bordered with clear, silvery rose; both flowers and buds are extra large and of very elegant form; color is brilliant, satiny pink. We have 3 grades—25c, 35c 50c each

MRS. JOHN LAING (H. P.)—Very free flowering, early and late; color a soft, delicate pink, with satiny tinge.

Lebam, Wash., May 4, 1911.

Routledge Seed & Floral Co.

Dear Sirs: Just received Roses. Am very much pleased with them. Thanks very much for the extra rose plants. Respectfully,

MRS. KITTIE DAVIS.

SUBSTITUTION

If the varieties of the roses ordered cannot be supplied or bought locally, others equally as good and correctly labeled will be substituted, unless otherwise ordered.

Prices—If no price follows description, see page 64 for general price list.



Prince de Bulgaria.

Dark Pink or Rose

BARONESS ROTHCHILD (H. P.).—Large size, fine globular form; color bright, rosy pink.

BON SILENE (H. P.).—The buds are very handsome and produced in great profusion; color dark, rosy carmine; a general favorite.

CAPTAIN CHRISTY (H. P.).—Color a lovely shade of pale peach; deepening at the center to a rosy pink.

MAGNA CHARTA (H. P.).—Bright rosy pink; full, globular flowers; very large and double.

MAMAN COCHET (T.).—This is one of the most beautiful Tea Roses we list; extensively planted and very popular; the color is a deep, rosy pink, the inner side of petals silvery rose.

MRS. B. R. CANT. (T.).—Vigorous, deep rose, inner petals soft, silvery rose suffused buff, beautiful free bloomer.

PAUL NEYRON (H. P.).—Deep, shining rose, double and handsomely formed; blooms freely and is unusually strong and vigorous; the largest variety in existence.

PRINCE DE BULGARIA.—New; a very vigorous grower, with large, bright green foliage, beautiful form of bud, flower very large and full. The outer petals are extremely large, of superb rosy flesh color, center of flower bright red, very fine and very free.

Scarlet—Bright Red

AMERICAN BEAUTY (H. P.).—It is a quick grower, constant bloomer, making magnificent buds and large, bold flowers; color rich, rosy red, shaded in the most charming manner. Price 60c

GENERAL JACQUEMINOT (H. P.).—Bright, shining crimson scarlet; very rich and velvety; exceedingly brilliant and handsome; one of the best and most desirable for open ground.

GENERAL MacARTHUR (H. T.).—Color brilliant scarlet; one of the most fragrant of the June-scented roses and a true ever-bloomer; a perfect garden rose. Price 50c

GRUSS AN TEPLITZ (H. P.).—Color fiery scarlet, with a dark, velvety sheen; very fragrant; the freest blooming rose in existence; the mass of color produced is wonderful.

For Rose Sprays see page 95.

For Hand Sprayer see page 93.

Scarlet—Continued

LADY BATTERSEA (Red Niphetos) (H. T.).—Long, oval, pointed buds; the color is a bright, cherry crimson; an unusually showy variety.

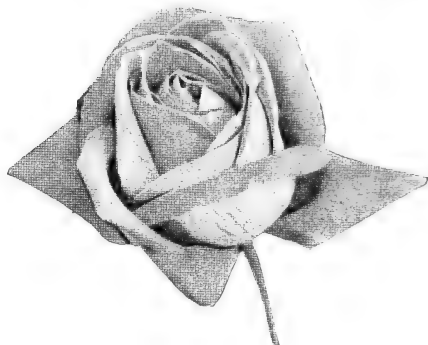
PAPA GONTIER (T.).—Large and semi-double; a vivid cherry red color, shaded yellow; reverse of petals crimson. Prized highly for its beautiful pointed buds.

RHEA REID (H. T.).—A new Rose, highly spoken of; as large as American Beauty, as double as Bridesmaid, as fragrant as La France, as red as Richmond; certainly grand. Price 75c

RICHMOND (H. T.).—A splendid new American Rose of great merit; strong in growth; splendid foliage and long stems; color a magnificent, rich scarlet-crimson; the most vivid we have yet seen among ever-blooming roses; profuse bloomer.

ULRICH BRUNNER (H. P.).—This is really a magnificent rose; extra large, bold flowers, full and globular; petals large and of good substance; color rich, glowing crimson, elegantly flamed with scarlet; a good grower and free bloomer.

J. B. CLARKE (H. T.).—New Irish variety of great merit, either for garden decoration or for cut flowers. The color is bright scarlet; petals large, shell-shaped and of immense substance; flowers very large, full and perfectly formed; growth vigorous and free-branching habit; flowering freely and continuously from early in summer until late in autumn. Price 50c



J. B. Clark.

Crimson—Deep Red

ETOIL DE FRANCE (H. T.).—Of vigorous, healthy growth; beautiful buds and flowers; full and fragrant; color rich, glowing crimson, shaded with vermilion.

GLOIRE DE MARGOTTIN (H. P.).—A good, healthy grower; flowers extremely brilliant, almost scarlet; live and lasting; large, full, globular, of good shape; pretty in bud, extremely beautiful.

HUGH DICKSON (H. P.).—Brilliant crimson, shaded scarlet; good size and fine form; petals slightly cupped and reflexed; highly perfumed. Price 50c

LIBERTY (H. T.).—Color rich, fiery ruby, shaded deep crimson; fragrance exquisite; without doubt one of the finest ever-blooming roses in existence.

Dark Red

BARON DE BONSTETTIN (H. P.).—Splendid, large flowers, very double and full; rich, dark red, passing to deep dark, velvety maroon.

BLACK PRINCE (H. P.).—Splendid dark crimson flowers, almost black; cupped, large, full, fine shape.

PRINCE CAMILE DE ROHAN (H. P.).—Very dark, rich, velvety crimson, passing to intense maroon, shaded black; one of the darkest roses and very handsome.

Prices—If no price follows description, see page 64; for one-year, page 70.



Mad. Second Weber.

The Best Yellow Roses

FRANZ DEEGEN (H. T.)—Moderate grower; soft yellow, with golden center, fine erect grower; one of the best yellow roses. Price 75c

GLOIRE LYONAISE (H. T.)—Color chamois yellow; deepest at the center, passing to creamy white; large, full, sweet and very distinct.

JOANNE WESSENHOFF (H. T.)—New. The color is clear, lustrous yellow. Flowers of medium size, buds long and pointed, of perfect form; free bloomer. Price 60c and 75c

MADAME HOSTE (T.)—Creamy yellow, with deep buff yellow center; very large and delicately sweet; a constant and profuse bloomer; one of the finest sorts in cultivation.

MME. CONSTANT SOUPERT (T.)—Vigorous. Deep golden yellow, tinted and retouched with rosy peach; buds long and pointed; very fine. Price \$1.00

PERLE DES JARDINS (T.)—Beautiful rose; clear, golden yellow, entirely distinct from any other variety.

SAFRANO (T.)—Bright apricot yellow, tinged orange and fawn; valued highly for its beautiful buds; very profuse in bloom, and deliciously tea scented.

SUNSET (T.)—This grand rose is a favorite wherever known; the color is a rich, golden amber, or old gold, elegantly shaded, and buds are extra large, full, finely formed and deliciously perfumed.

Salmon—Orange—Yellow—Distinct Varieties

The following varieties and colors are certainly beautiful and much sought after.

BETTY (H. T.)—Introduced by Messrs. Dickson & Sons, Belfast, Ireland, and regarded by them as the grandest of the many valuable and new roses of merit which they have originated; a robust grower and of a unique color, being of a ruddy gold, overspread with golden yellow; deliciously perfumed; large and of glorious form; blooms continuously. Price 50c

COUNTESS OF DERBY.—Center salmon, shading into delicate peach, large and finely formed, very large petals, free and fragrant. A strong growing variety, producing long pointed buds upon stout canes. Price 75c

DEAN HOLE.—An exquisitely beautiful rose, of bright carmine pink color, with silvery shadings and with the grandeur of American Beauty in form and foliage; a fine grower, free in bloom; extra fine. Each 60c

JOSEPH HILL.—Vigorous; beautiful clear salmon pink outside of petals, shaded pink, orange, copper; bloom large, full and perfect form. Price 60c

LADY ROBERTS.—Vigorous; apricot yellow, base of petals coppery red, edges shaded orange; very beautiful. 60c and 75c

LYON ROSE.—The flowers are of a superb shrimp pink color, with salmon and chrome yellow shadings, beautiful beyond description; large buds, magnificently formed; petals elegantly formed and large; flowers full, very large and on stiff stems. Bound to become one of the best-known varieties. Price 75c and \$1.00

MISS KATE MOULTON (H. T.)—Beautiful salmon-peach pink, delicately shaded; buds long and pointed; foliage good; free bloomer.

MME. RAVARY.—Vigorous; salmon fawn, often golden orange; free and continuous bloomer; a fine rose.

MME. SECOND WEBER.—A magnificent light rosy salmon. Buds long and pointed that expand into flowers of immense size. In its particular color there is nothing to touch it. It blooms with remarkable persistence, and it is unusual to see an imperfect bud or flower. As a cutting rose it is of premier quality. Price 75c and \$1.00

MME. MELANIE SOUPERT.—Vigorous. Saffron yellow suffused with carmine and pink; very large, free blooming, and one of the most beautiful and distinct sorts. A great favorite at our last rose show. Price 75c and \$1.00

MRS. A. WADDELL (H. T.)—A lovely new color; deep reddish apricot toned with salmon. Same form as Papa Gentier, but with much longer buds. It is a vigorous grower and constant bloomer, and incidentally a wonderful advance in Roses approaching this color. Price 75c and \$1.00

MRS. AARON WARD.—Vigorous. Indian yellow, washed salmon rose; a splendid rose. Price 75c and \$1.00

MY MARYLAND (H. T.)—Has beautiful long buds. The flowers are large, full and double, and perfectly formed. The color is a most distinct and beautiful salmon pink. One of the really great roses. Price 60c

SOUV. DE PRESIDENT CARNOT (H. T.)—Of extraordinary beauty, very large, full, deep and deliciously sweet; lovely shell pink, delicately tinted with golden fawn on rich, creamy white; superb.

SOUV. DE PIERRE NOTING (T.)—Very large, perfectly full; of elegant form; has a beautiful, long bud; color orange yellow, bordered in carmine rose.

WINNIE DAVIS (H. T.)—A fine new American pedigree Rose. Color, rich apricot pink, shaded to flesh at base of petals. Beautifully formed buds and flowers; very free in growth and bloom.

Battle Ground, Wash., March 6, 1911.
Routledge Seed & Floral Co.

Gentlemen: Please send me the Winona Collection of Carnations. I received the Winona Collection in a previous order, but the plants were so fine and came in such excellent condition that I presented them to a flower loving friend and am ordering again for myself.

MRS. A. G. HANSEN.

Finca "LaCastilloa,"
Montecristo Tobasco, Mexico.

Routledge Seed & Floral Co.

Dear Sirs: The 12th inst. I received the package containing the Strawberry Plants, La France Rose and Gooseberry Plants. All arrived in good condition.

Thanking you, I remain,

Very truly yours,

C. A. McJOHNSTON.

Some Charge More, But No One Offers Better, Stronger, Healthier, True-to-Name Rose Bushes Than WE.

Moss Roses

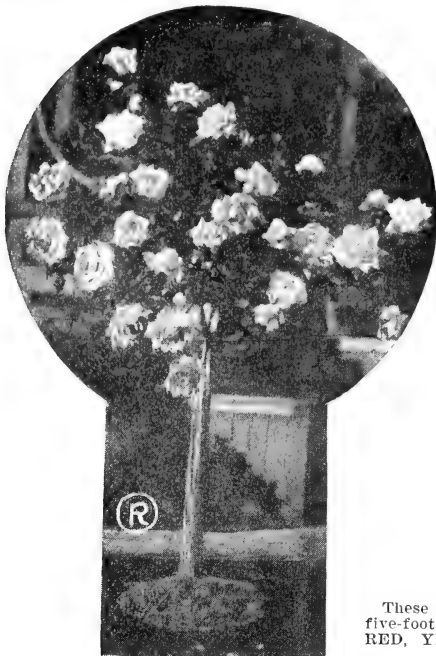
Strong, vigorous growers, much admired for moss-covered buds; hardy; most varieties bloom but once in a season, but remain for a long time and very handsome.

Price 35c each

CRESTED.—Deep pink buds, surrounded with mossy fringe; very beautiful and free from mildew.

BLANCH MOREAU.—Best pure white.

CHAPEAU DE NAPOLEON.—A good red.



Tree Rose—Frau Karl Druschki.

CLIMBING OR PILLAR ROSES

Prices—Unless otherwise marked, 35c each; \$1.75 per 6; \$3.00 per dozen. Extra choice plants 50c each. For 1-year mail order size, see page 70.

The following climbing roses all grow vigorously, and are profuse bloomers. The flowers are borne in large clusters. They all belong to the polyanthus class, or more commonly known as the Ramblers.

FLOWERS OF FAIRFIELD.—A perpetual flowering "Crimson Rambler"; this has long been looked for and is undoubtedly one of the most valuable additions to this section since its introduction. The flowers are brighter than the original, and are produced in great profusion from early summer to late autumn; most valuable rose. Price 50c and 75c

WHITE DOROTHY.—In this grand new Rambler we at last have a hardy white climbing Rose which will grow in any part of the country under adverse conditions, and one which will rank up with Crimson Rambler and Dorothy Perkins as a pillar and porch Rose. As its name indicates, it is a sport from Dorothy Perkins, possessing all the fine qualities of that grand variety, but having pure snow-white flowers. This Rose we believe will become a fixture in the list of climbing roses. Price 75c

VERLICHENBLAU.—(Blue Rambler).—Has attracted much attention in Europe and America, and is the first rose of its color ever produced. This is a vigorous climber, flowers medium size, semi-double, borne in large clusters; color on opening is a rosy lilac, quickly changing to a metallic blue; has splendid foliage of a rich green color.

Price 50c and 75c

Wichurian Roses

Memorial Rose

A low, trailing species, its stems creeping on the earth as closely as an ivy, and forming a dense mat of very dark green, lustrous foliage. It is a rapid grower and profuse bloomer; the flowers are single, perfectly hard and very desirable for creeping over walls or rockwork, or for covering unsightly places.

WHITE OR RED.

35c each; \$3.00 dozen

Rugosa Roses

These lovely Roses form sturdy bushes, 3 to 5 feet in height, covered with handsome, glossy green foliage and clusters of beautiful, fragrant single flowers. They bloom nearly the whole summer, and are equally as attractive during the autumn and winter when covered with their large, brilliant red seed pods. Of healthy, vigorous growth and not troubled with insects or fungus pests, and equally desirable alike as single specimens or for making a hedge.

WHITE OR RED.

35c each; \$3.00 dozen

Standard or Tree Roses.

Prices, \$1.00, \$1.50 and \$2.00 each, according to size of head.

Tree Roses are budded or grafted on hardy rose stocks, about four feet high. They soon make good-sized heads, forming a small tree, especially desirable for planting as single specimens, in backgrounds or rows along walks or driveways.

Not all varieties are obtainable, but order any color or variety you wish, and we will send it or give you as good a substitute in same color as possible.

Weeping Tree Roses

These are produced by budding the trailing varieties on four or five-foot standards. They are very showy and quite a novelty.

RED, YELLOW OR PINK.

\$1.50 to \$2.00 each

GOLDFINCH (New).—A new yellow rose from Euclaid to be of superior merit; belongs to the Rambler family.

Price 75c

LADY GAY.—A most desirable new variety of remarkable vigorous growth, with flowers of a delicate cerise-pink, passing to soft tinted white. The effect of a plant in full bloom with the combination of the soft white flowers, cherry-pink buds, and the deep green of the foliage is indeed charming.

Price 50c

CRIMSON RAMBLER.—A charming, hardy pillar rose. The flowers grow in great pyramidal panicles, each carrying 30 to 40 blooms; the flowers are 1 to 1½ inches in diameter, and remain in perfect condition on the plants for a long time; a bright, vivid crimson; a very vigorous grower.

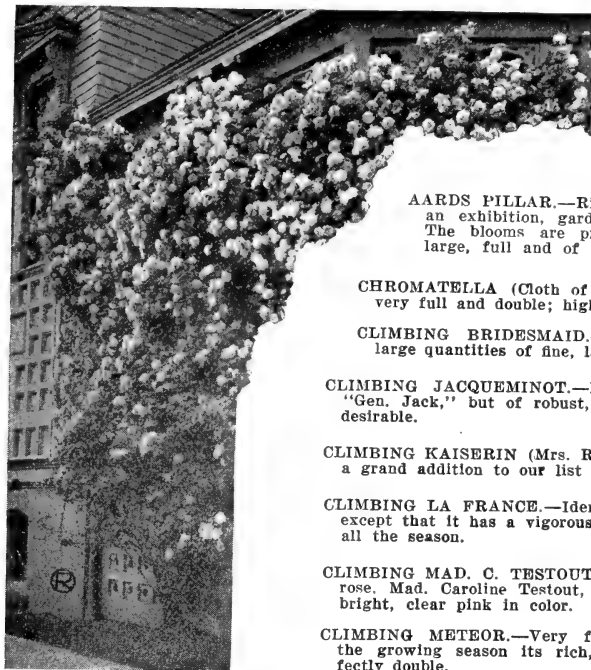
DOROTHY PERKINS (New).—Beautiful shell pink; flowers in immense clusters; quite full and double; healthy and vigorous.

WHITE RAMBLER (Thalia).—Flowers pure white, sometimes faintly tinged bluish; flowers borne in immense clusters; very vigorous.

YELLOW RAMBLER (Agliaia).—Strong grower, profuse bloomer.

PERSONAL—When testimonials or letters are printed in catalogs without name and address of writers they don't ring true, eh? Any catalog writer can do that.

Prices—Unless otherwise marked, 35c each; \$1.75 per 6; \$3.00 per dozen. Extra choice plants 50c each. For 1-year mail order size, see next page.



Climbing Testout

Climbing Roses— Continued

The Climbing Roses below are of same size and form as the same kinds in the bush class.

AARDS PILLAR.—Rich, velvety crimson, the perfection of an exhibition, garden and pillar rose; foliage attractive. The blooms are produced with great freedom, and are large, full and of cupped form. Price 60c

CHROMATELLA (Cloth of Gold).—A clear, golden yellow; large, very full and double; highly fragrant.

CLIMBING BRIDESMAID.—A rampant climber and producing large quantities of fine, large, dark pink flowers.

CLIMBING JACQUEMINOT.—Equal in every way to the popular "Gen. Jack," but of robust, climbing habit; foliage healthy; very desirable. Price 60c

CLIMBING KAISERIN (Mrs. Robt. Peary).—Flowers fine ivory white; a grand addition to our list of climbing roses.

CLIMBING LA FRANCE.—Identical with the well-known La France, except that it has a vigorous climbing habit, flowering continuously all the season.

CLIMBING MAD. C. TESTOUT.—An exact counterpart of that grand rose, Mad. Caroline Testout, except that it is a vigorous climber; bright, clear pink in color. (See cut.) Price 50c

CLIMBING METEOR.—Very free flowering, producing all through the growing season its rich, dark, velvety crimson flowers, perfectly double.

GAINSBOROUGH (Climbing Viscountess Folkstone).—For a hardy, ever-blooming climber, it has no equal, even eclipsing that grand variety, Mrs. Robert Peary. Its delicate colors are hard to describe, being delicately tinted flesh, almost white, and lustrous as satin. Price 60c

GLOIRE DE DIJON.—Noted for the great size of its flowers, its delicate tea scent, and its shades of color, being a blending of amber, carmine and cream; a magnificent climber.

LA MARQUE.—Flowers of good size, borne in large clusters; color pure white.

MADAM ALFRED CARRIERE.—Extra large, full flowers; very double and sweet, and a most profuse bloomer; color rich, creamy white, faintly tinged pale yellow.

MARECHAL NEIL.—A magnificent, deep golden yellow variety; so famous as to need no description; grown the world over for its immense yellow flowers; the finest rose of its color in existence. Price 50c and 75c

REINE MARIE HENRIETTE.—Vigorous grower; flowers large, full; color glowing crimson; elegantly shaded.

WILLIAM A. RICHARDSON.—Color rich, coppery yellow, flushed with carmine; a very beautiful variety, having few equals.

CLIMBING BELLE SEIBRECHT.—This fine climbing Rose is the counterpart of the old favorite Belle Seibrecht, except that it has a vigorous climbing habit. We regard this as one of our finest pillar roses, the flowers being very handsome. Color the richest shade of rose pink ever seen in a Rose.

CLIMBING PAPA GONTIER (T.).—Same as the old favorite bush Papa Gontier, having the same splendid, cherry-red flowers, but of a strong climbing habit of growth. Price 50c

CLIMBING WOOTTON.—A climbing variety of this fine red Rose that is bound to be very popular. It is a very strong, rapid grower, throwing long canes and bearing large clusters of true Woottons.

CLIMBING PERLE DES JARDINS.—Same as the grand old Perle des Jardins and equally good in every way, but of vigorous climbing habit; flowers golden yellow of immense size. Price 50c

CLIMBING SAFRANO (Solfaterre).—A strong climber; color orange yellow, or deep saffron; good size, full and sweet.

Our Roses please others—they will please you.

Bay City, Oregon, March 9, 1911.
Routledge Seed & Floral Co., Portland, Ore.
Gentlemen: I have been well pleased with every order, and some of my Roses were very beautiful, especially as they were only two-year-old bushes and set out late as well. Everything I got from you last year did very well.

Yours sincerely,
MRS. GEORGE WATT.

La Grande, Ore., July 12, 1911.
Routledge Seed Co.

Dear Sirs: The Roses I ordered from you some time ago are growing nicely. Enclosed find another order for \$1.00.

I have purchased roses from many floral companies, but never received such healthy plants as I have from you. They are "great." Wishing you continued success, I am,

Yours truly,
MRS. C. A. MURRAY.

SUBSTITUTION

If the varieties of the roses ordered cannot be supplied or bought locally, others equally as good and correctly labeled will be substituted, unless otherwise ordered.

CHOICE ROSE PLANTS

One-year-old mail order size sent postpaid anywhere in the United States.

Oregon Grown Hardy Plants.

On this page we are offering four choice collections of the finest roses. This is the popular mail order size that we send by mail or express, charges prepaid. They are grown in small pots, are strong, healthy and well rooted, and from 8 to 12 inches high. They should not be planted outside before severe weather is over in the spring, but you can order early and keep the plants in boxes or pots in a sheltered location until the ground is ready. By doing this you will have them on hand just when wanted, and your plants will be growing larger and hardier. While this size will not produce so many blooms the first season as our large field grown plants offered on the following pages, you will be surprised at the results you can obtain, and at quite a saving in price. Do not class these plants and others we offer with the cheap, low-priced plants advertised and sold by Eastern florists, for there is no comparison. We have no time for "trash."



Mrs. Aaron Ward.

Five Superb Novelties in Roses

Price 25 cents each. Set of 5 sorts \$1.00 postpaid.

Lady Alice Stanley.—This rose is very beautiful, its strong branching habit being admirable. The upper surface of each petal is shell pink, the reverse soft rose. Very free and fragrant.

Mrs. Aaron Ward.—Long pointed buds resembling in shape the well-known rose, Catherine Mermet. Color, Indian yellow washed with rose and salmon color. A rare and beautiful variety.

Molly Sharman Crawford.—We predict a great future for this snow-white rose. The blooms are of the grandest size, of elegant form and build.

Mrs. A. R. Waddell.—Color bright crimson cerise; deliciously fragrant; handsome foliage; flowers produced on long, stout stems.

Radiance.—Glorious, new, glistening dark pink rose of great merit. Strong growth; immense flowers.

Six Grand New Everblooming Roses

Price 20 cents each. Set of 6 sorts \$1.00 postpaid.

Dean Hole.—A superb rose; large flowers of fine long form; silvery carmine, shaded salmon.

General McArthur.—A grand crimson scarlet Hybrid Tea Rose. Very free blooming; large, double, of fine form and very fragrant.

Mad. Melanie Soupert.—Very beautiful and distinct; orange yellow, shaded carmine; free flowering.

Mad. Leon Pain.—Strong grower; the beautiful flowers are silvery blush shaded orange; very fine.

Mrs. David Jardine.—A delightful shade of bright rosy pink, shading in the outer petals to salmon pink. Blooms are large and perfect.

White Killarney.—A sport from the famous "Pink Killarney" and equal to it in every respect. It is of the same size, form and make-up as the parent and a better white than the well-known Bride Rose; very free flowering.

Beauty Collection—Very Choice

Price 15c each; set of 12 for \$1.25 postpaid; in 2-year-old plants \$3.50.

American Beauty.—Rosy crimson; fine large flowers.

Belle Seibrecht.—Bright pink; beautiful flowers.

Kaiserine Augusta Victoria.—Best creamy white.

Etoile de France.—Dazzling crimson scarlet.

Madam Caroline Testout.—Our most popular pink.

Mad. Abel Chatenay.—Glowing dark pink; very fine.

Maman Cochet.—Beautiful rosy pink; very fine.

Perle des Jardines.—Deep golden yellow; fine buds.

Souv. de P. Notting.—Rich yellow, bordered pink; handsome.

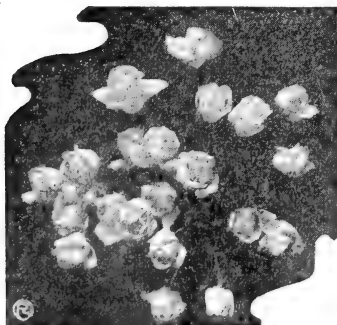
Virginia R. Coxe.—Fiery crimson; free bloomer.

Souv. de President Carnot.—Shell pink, shaded fawn and creamy white.

White Maman Cochet.—Pure white; elegant buds.

Hardy Collection—Popular Roses

Price 15 cents each; set of 12 for \$1.25 postpaid. Set of 12 2-year-old plants \$3.00



White Maman Cochet.

Anna de Diesbach.—Beautiful, clear carmine pink.

Baron de Bonstettin.—Dark, rich red; very large and full.

Captain Hayward.—Rich glowing red, very large.

General Jacqueminot.—Bright crimson; one of the best.

Gloire de Margotten.—Bright red; fine buds, large flowers.

Gloria Lyonnaise.—Chamois yellow; full, sweet, distinct.

Margaret Dickson.—White, shaded flesh; magnificent flower.

Magna Charta.—Pink and carmine; large, full flowers.

Mrs. John Laing.—Soft, delicate pink; free flowering.

Paul Neyron.—Large, deep rose; double and handsome.

Prince Camille de Rohan.—Dark maroon; one of the darkest.

Ulrich Brunner.—Rich, glowing crimson; large bold flowers.

CLIMBING ROSES

We can supply any of our Climbing Roses (see page 69) in mail order size at 15c each; 4 for 50c, postpaid.

NOTE.—If you want varieties not offered in the collections above, you can make your own selection from those listed on preceding pages at 15c each; 4 for 50c, with the exception of those priced above 40c each, which will be one-half of the two-year price.

FRUIT TREES, BUSHES, VINES AND PLANTS

We are making a specialty of select fruit stock. This branch of our business has made immense growth. Our manager has been in this line of work in Oregon for over 20 years. Aside from large stocks grown for us on contract, we are in close touch with the largest, most reliable and careful growers. We know where the best stock is produced.

The expert in charge of our Nursery Department has, up to July last, been actively engaged in growing, selling and buying fruits in Oregon and Washington for the past ten years, and knows "what's what."

We are always glad to give you the benefit of our experience as to varieties for the different sections, planting, pruning, etc., and solicit your orders, whether large or small.

We again call your attention to the fact that we are catering to the "Particular Planter," who wants "High Quality" and is willing to pay a price necessary to secure it. Any sensible person knows that "Highest Quality" in stock of any kind is more expensive to produce than common, and therefore is worth more. Our prices are low, quality considered.

Low prices by the 100 or 1000—write, we'll save you money. Commercial planters often use smaller grades which we can sell very cheap.

SUBSTITUTION

If the varieties of the tree ordered cannot be supplied or bought locally, others equally as good and correctly labeled will be substituted, unless otherwise ordered.

NOTE.—On this and the following pages you will note that we give full description of only a few varieties under each heading. These, we believe, are the best for general or home planting, and you will not miss it by selecting them. We, however, can supply almost any variety grown, whether catalogued or not, so you can order any kind you want.

APPLES

Unless otherwise priced	Each	Doz.
Two-year-old	\$0.80	\$8.00
One-year-old, 4 to 6 feet	.25	2.50
One-year-old, 3 to 4 feet	.20	2.00
Selected	.35c to .50	

Write for our low prices by 100 or 1000.

DWARF APPLES. Each 50c; dozen \$5.00

SUMMER VARIETIES

RED ASTRACHAN.—Large, deep crimson, flesh white, moderately juicy, with an agreeable rich acid flavor; very productive.

YELLOW TRANSPARENT.—Medium size, roundish, slightly conical; skin pale yellow, flesh tender, juicy, sub-acid; good.

SUMMER PEARMAN.—Skin red, spotted with yellow, and streaked with red; flesh tender, juicy and rich; August.

Golden Sweet.—Large, pale yellow; tender, rich.

Red June.—Early, deep red; good; medium size.

AUTUMN VARIETIES

GRAVENSTEIN.—Large, beautiful yellow, dashed with deep red and orange; tender and crisp, with a highly aromatic flavor; tree very vigorous; very popular sort.

Fall Pippin.—Very large, yellowish green.

Famouse (Snow Apple).—Greenish-yellow, streaks of red; medium size, and juicy.

Gloria Mundi.—Very large; greenish yellow; October.

RED BEITIGHEIMER.—Very large, roundish, inclined to conical; skin pale, cream color ground, mostly covered with purplish crimson; flesh firm, white, with brisk sub-acid flavor; a strong grower and heavy bearer.

Maiden's Blush.—Yellow, with red cheek; excellent.

Twenty Ounce.—Large and showy; good.

Waxen.—Pale yellow; flesh crisp, tender; medium.

WINTER VARIETIES

BALDWIN.—Large, rounded; deep, bright red; very productive; one of the best and most popular winter apples.

BEN DAVIS.—Medium to large; yellowish, almost entirely overspread with two shades of red; flesh white, tender, juicy; pleasant sub-acid.

NORTHERN SPY.—Large, round, greenish-yellow, stripes of purplish red; flesh white, juicy, brisk sub-acid; valuable for market and cooking.

ORTLEY (White Bellflower).—Fruit medium to large, yellow; sometimes with a sunny cheek; flesh white, fine-grained, tender, juicy, sub-acid.

SPITZENBERG.—Large, oblong; yellowish ground with broken stripes of bright red; flesh yellow, juicy with a delicious rich flavor.

Arkansas Black.—Dark maroon; long keeper; good.

Blue Pearmain.—Dark purplish red; very large.

Grimes' Golden.—Of highest quality; large, yellow.

Gano.—Form conical; deep red, shaded to mahogany.

Golden Russet.—Medium, dull russet; excellent.

Jonathan.—Yellow, covered with red stripes.

KING OF TOMKINS COUNTY.—Very large, globular; yellowish, shaded with red; flesh yellowish, rather coarse, juicy, rich flavor.

WINTER BANANA.—Winter; yellow; bluish cheek; sub-acid; medium size; a good keeper; a handsome apple; fine flavor, tender and delicious.

YELLOW BELLFLOWER.—Large, oblong, yellow, sometimes a blush in the sun; flesh firm, crisp, juicy, sub-acid; tree a good grower and very productive; succeeds well in this valley.

YELLOW NEWTOWN PIPPIN.—Large, skin smooth, golden yellow; flesh firm, crisp, juicy; one of the standard varieties.

Mammoth Black Twig.—Very large, bright red.

Rhode Island Greening.—Greenish-yellow; large.

Rome Beauty.—Large, yellow, shaded bright red.

Tolman's Sweet.—Whitish-yellow, tinged red.

Wealthy.—Yellow, shaded with deep red.

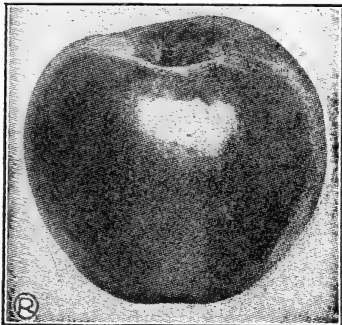
Winesap.—Yellow ground, streaked with red.

Wolf River.—Greenish yellow, shaded red.

FOR NEW APPLES OF SPECIAL MERIT, SEE NEXT PAGE

SPRAY PUMPS

Every fruitgrower needs a Spray Pump. We have an excellent line that we'll guarantee to give satisfaction. See pages 92 and 93.



APPLES—Continued

NEW APPLES OF SPECIAL MERIT

DELICIOUS.—A splendid apple; coming into prominence rapidly. Tree vigorous and hardy and the fruit equals the name in every respect. Fine for market and home use; late; keeps till April.

Each 50c; selected \$1.00

WINTERSTEIN.—A winter apple of the Gravenstein type; flesh yellowish, very tender, rich, spicy, sub-acid; highest quality, with a flavor all its own. Originated by Luther Burbank, of California. Should be planted by every one desiring fruit of high quality.

50c each; selected \$1.00

MULTNOMAH.—(New.) A grand new sort. Originated by H. A. Lewis. Fruit large; color red, striped yellow; flesh white and fine and of sub-acid flavor; extra long keeper and in its prime from February to June; the coming apple for long distance shipment and Oriental trade.

Each 60c; selected \$1.00

OPALESCENT.—Probably the handsomest apple ever introduced; color red; skin smooth; flesh yellowish, tender, juicy and good; a beauty; all right for size, quality and productiveness.

50c each; selected \$1.00

CRAB APPLES

Nice stocky trees, selected, 50c each; 2-year 40c; 1-year 25c

TRANSCENDENT.—Fruit very large, skin yellow, striped with red; the best of its class for cider.

Yellow Siberian.—Fruit small, golden yellow.

FLORENCE.—Size medium, red striped, early bearer; bearing full crop each year; tree immensely productive; juicy and crisp; the best for home garden.

Hyslop.—Large, dark crimson; popular.

APRICOTS

Unless otherwise priced	Each	12
2-year-old	\$0.40	\$3.75
1-year-old, 4 to 6 feet.....	.25	2.75
Selected .....		.50

MOORPARK.—Very large, yellowish-green; brownish-red on the sunny side; flesh bright orange; fine for canning and drying; freestone.

Royal.—Above medium size; sweet, rich and juicy.

Tilton.—Large, rich color, high flavor; very productive.

LEWIS.—One of the largest apricots known; handsome in appearance; flavor excellent. If you have room for only one apricot tree, plant the Lewis.

Price, 1-year 75c; 2-year \$1.00

CHERRIES

Unless otherwise priced	Each	Doz.
Two years old.....	\$0.50	\$5.00
One year old, 4 to 6 feet.....	.45	4.50
One year old, 3 to 4 feet.....	.35	3.50
Selected .....	.75c to 1.00	

Write for our low prices by 100 or 1000.

BING.—Originated in Oregon; fruit large, dark brown or black; very fine; late; a good shipping variety.

BLACK TARTARIAN.—Of large size; flesh purple, half-tender and juicy.

BLACK REPUBLICAN (Lewelling).—Seedling, raised by Seth Lewelling, of Oregon; large size, black, sweet, with purplish flesh; late, and a good shipper.

ENGLISH MORELO.—Medium to large; blackish red; rich, acid, juicy and good; very productive; August.

MILLERS LATE.—This new Cherry resembles the Late Duke in color, shape and flavor, but it is a larger and later variety, which makes it very valuable and desirable.

OREGON.—Large, black, solid, free, vigorous and productive; a fine shipper.

ROYAL ANN (Napoleon Bigarreau).—A magnificent Cherry of the largest size; pale yellow, becoming amber in the shade; richly dotted and spotted with deep red, and with a bright red cheek; flesh very firm, juicy and sweet; tree a rapid grower and immense bearer.

KENTISH (Early Richmond).—Light red, juicy; one of the best acid cherries, and unsurpassed for cooking purposes; very productive.

LATE DUKE.—Large, light red; late and excellent; sub-acid.

LAMBERT.—Fruit of largest size and of fine quality; color deep, rich red; flesh firm and of fine flavor; a fine market variety; ripens two weeks later than Royal Ann.

MAY DUKE.—Large, rich, dark red; flesh tender, juicy and sub-acid; an excellent variety, and one of the earliest of its class.

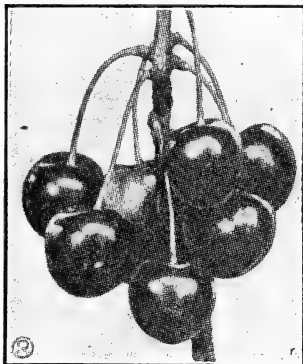
NEW GIANT—Originator's Own True Stock

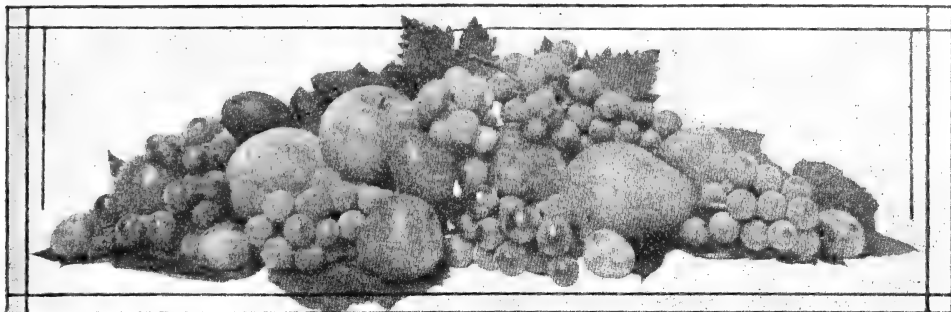
No one could wish for a finer flavored Cherry. It is a most desirable variety for all purposes. Fruit extra large, flesh rich, dark red, firm, yet juicy and delicious. Ripens after the Lambert. On account of its lateness, it generally escapes the late spring rains that often injure the other main crop varieties. If you can only plant one Cherry Tree, plant a Giant.

We have bought all of the one, two, three and four-year trees of this grand new Cherry that the propagator, Mr. Kallish, has, and made arrangements for his future stock, so if you want the True, Genuine, New Giant, order direct from us. Each tree will be tagged with a printed label, New Giant, on one side and our name on the back. Always demand it. This will protect you from substitution. We offer the following sizes:

Prices—Selected budded trees, 1 year, 50c; 2-year, \$1.00; 3-year, \$1.50; limited number of 4-year specimens, \$2.50 each.

SAVE MONEY—Get your neighbor to order with you.. You save freight charges, get the benefit of quantity prices, and we will give you regular agent's commission on the additional orders.





HOME FRUIT COLLECTION

We have decided to offer a Home Fruit Garden Collection at a special low price to introduce our stock and induce more Home Owners to plant Fruit. There are thousands of Suburban, Country and Mountain Homes that should Have a Fruit Garden. This collection of trees and plants can be properly set out around the average home. (We furnish directions.) Think of the nice, juicy, fresh fruit this collection will yield, from early Spring until Christmas, fruit every day for your table. Isn't that worth \$5.00?—less than two cents a day the first year, thereafter nothing but the care. If your ground is limited, the small plants, berries, etc., are to be planted between the trees. You do not have to wait two or three years, but get fruit the first season, and every season while you wait for Apples, Cherries and Pears to come into bearing. Should you sell your place at any time this choice fruit collection would add \$100 value to your place. "That's a fact."

WHAT YOU GET FOR \$5.00.

TEN FRUIT TREES, 86 BERRIES AND PLANTS. EACH TREE LABELED.

The collection consists of 2 APPLES, one Summer, one Winter; 2 CHERRIES, one sweet, one sour; 1 APRICOT, 1 PEAR, 1 PLUM, 1 PRUNE, 1 QUINCE, 1 PEACH, 6 GOOSEBERRIES; 6 CURRANTS, 2 MAMMOTH BLACKBERRIES, 2 GRAPES, 2 LOGANBERRIES, 2 PHENOMENAL BERRIES, 12 RASPBERRIES, 4 RHUBARB, and 50 STRAWBERRY PLANTS, all one year old, for \$5.00. Two-year-old stock, same collection, \$6.25.

FREE.—With each collection we make you a present of 50c to 75c worth of Flowering Bulbs, Shrubs or Roses (our selection).

NOTE.—We make selection of varieties; none but the best Western sorts put in. Your selection, as per catalog (except novelties), \$1.00 extra; but unless you are an expert and know just what is what, you better save the dollar and leave the selection to us. We will please you.

PEACHES

	Each	12
Two-year-old	\$0.40	\$4.00
1-year-old, 4 to 6 feet .....	.25	2.50
1-year-old, 3 to 4 feet .....	.20	2.00
Selected .....	.50	5.00

Write for our low prices by 100 or 1000.

EARLY CRAWFORD.—Very large, yellow, with red cheek; flesh sweet and excellent; our most popular peach for table and canning; freestone.

ALBERTA.—Very large, bright yellow, red cheek; flesh yellow, juicy, sweet; regular bearer; fruit very showy and perfect; freestone.

EARLY CHARLOTTE.—An improved seedling from Early Crawford, originated at Salem, Or. This remarkable Peach succeeds in Oregon, where many other varieties fail. Flesh yellow, melting and juicy, with a rich and excellent flavor; freestone; ripens ten days after Crawford's Early.

LATE CRAWFORD.—Very large, roundish; yellow, with dark red cheeks; flesh deep yellow, juicy and melting; flavor rich and excellent; very popular; valuable for canning and drying; freestone.

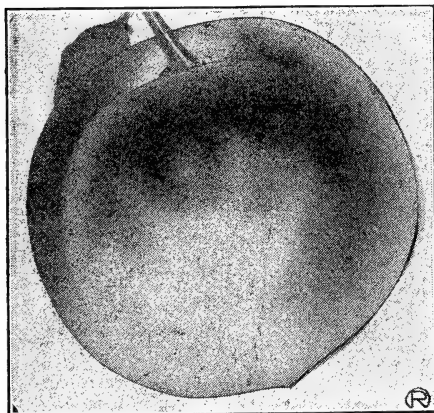
MUIR.—Large, pale yellow, very firm and sweet; best for drying; freestone.

SALWAY.—Creamy yellow, red cheek; flesh deep yellow, red at the pit; rich and sweet; a standard late peach, growing more and more in favor with orchardists; freestone.

QUINCE

	Each	12
2-year-old	\$0.40	\$4.00
1-year-old .....	.35	3.50
Select, 2-year-old .....	.50c to .75	
CHAMPION. —Large, yellow; flesh cooks very tender; flavor is most delicious; more productive than the orange, ripening two weeks later.		
ORANGE or APPLE. —Standard varieties.		

PINEAPPLE.—The fruit in form and size resembles the Orange Quince, but is smoother and more globular. Makes a superior Jelly. Can be eaten raw, and is said to cook as tender in five minutes as the best cooking apple, possessing a most exquisite and delicious flavor, not equaled by any other quince. Price, each 75c



PLUMS

Unless otherwise priced	Each	12
Two years old	\$0.25	\$2.75
One-year-old, 4 to 6 feet.....	.20	2.25
Selected	35c to	.50

Write for our low prices by 100 or 1000

ABUNDANCE.—Fruit large and beautiful; bright cherry; flesh light yellow, juicy, tender, sweet; productive; ripens first of August.

BURBANK.—Largest and handsomest of the new plums; perfectly hardy, free from disease; juicy, tender and sweet; ripens early August; as fine eating as a peach; freestone; should be in every collection. Price 50c; selected 75c

BRADSHAW.—Reddish purple, juicy and pleasant; adheres partially to the stone. August.

COE'S GOLDEN DROP.—Large and handsome; light yellow; firm, rich, sweet; one of the best of late plums; last of September.

COLUMBIA.—Largest size, nearly globular; brownish purple; rich, sugary, freestone; August.

DAMSON.—Small, oval; skin purple; flesh melting, rather tart; September.

GREEN GAGE.—Small, round; flesh pale green, melting and juicy; freestone; August.

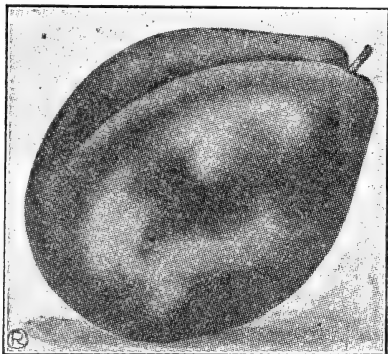
PEACH.—Very large; skin brownish red, slightly coarse-grained, but juicy; freestone; very popular; August.

YELLOW EGG.—Very large; skin of a deep golden color, but rather acid; excellent for cooking; very showy; August.

MAYNARD.—New; originated by Luther Burbank, that great master of modern horticulture. In size it is very large, often measuring 7½ inches in circumference; form nearly round, slightly flattened at the ends, of richest crimson-purple, deepening to royal damask as full ripeness is reached. Tree hardy, vigorous and compact grower; leaves dark glossy green; bears immense crops of even-sized fruit while very young; never falls; surpasses all other varieties in keeping and carrying qualities; flesh firm even when dead ripe, but melting and juicy with a deliciousness indescribable. Commands the highest price in home and foreign markets; August. Price 75c; selected \$1.00

REINE CLAUDE.—One of the best foreign varieties, and of fine flavor; roundish oval; greenish, marked with red in the sun; September.

WASHINGTON.—A large plum, skin dull yellow, with a pale crimson blush; flesh firm; very sweet and luscious; freestone; August.



PRUNES

Unless otherwise priced	Each	Dox.
Two years old.....	\$0.30	\$3.00
One year old, 4 to 6 feet.....	.25	2.50
One year old, 3 to 4 feet.....	.20	2.00
Selected	35c to	.50

Write for our low prices by 100 or 1000

GIANT.—New; of immense size, dark crimson on yellow ground; good yielder; flesh firm, rich, sweet, delicious; good shipper.

HUNGARIAN.—Very large, dark red; juicy and sweet.

ITALIAN (Fallenberg).—Medium, oval, tapering at both ends; dark purple; flesh greenish yellow; separates freely from the stone; best for drying.

PACIFIC.—Originated at Mt. Tabor, Oregon; hardy, abundant bearer; fruit freestone, very large and handsome; rich, sugary and luscious; a good shipper; the best of drying prunes.

TRAGEDY.—Medium size; skin dark purple; flesh yellowish green, very rich and sweet; a good shipper; freestone; July.

PETITE (French).—Small size, egg-shaped; violet purple; sweet, rich and sugary; very productive; standard for drying.

SUGAR.—Tree vigorous grower; early bearer; fruit ripens earlier than the French; is four times as large and dries in half the time; flesh tender and rich in sugar; color dark purple; August.

SILVER.—Seedling of the Coe's Golden Drop; tree vigorous and productive; fruit large and superior; excellent.

PEARS

Unless otherwise priced	Each	12
Two years old	\$0.50	\$5.50
One year old, 4 to 6 feet.....	.40	4.25
One year old, 3 to 4 feet.....	.30	3.00
Selected	60c to	.75

Write for our low prices by 100 or 1000

SUMMER VARIETIES

BARTLETT.—Large, skin thin, clear, lemon yellow, with soft blush on the sunny side; flesh white, buttery, very juicy and highly flavored; the best summer pear in existence.

Clapp's Favorite.—Fine-grained and melting.

KOONCE.—One of the most successful early market pears; a strong, upright grower; hardy, magnificent foliage; has produced crops when all other varieties were killed by frost; fruit medium, yellow, with

carmine cheek; juicy, spicy, sweet and delicious quality; ripens with the earliest; an excellent shipper; it comes into bearing young; July and August.

SECKEL.—Rich and highly flavored; its highly concentrated, spicy, honey flavor is unequalled; skin brownish green, russet brown cheek; flesh whitish, buttery and melting.

Madeline.—Melting and juicy; very early.

PEARS—Continued

AUTUMN AND WINTER VARIETIES

We can supply any other standard variety; these are the most popular for home and commercial plantings.

BEURRE CLAIRGEAU.—Large, yellow, shaded with orange and crimson; covered with russet dots; flesh yellowish, buttery, juicy; October-November.

BEURRE D'ANJOU.—A large, fine pear, buttery and melting, with sprightly, vinous flavor; tree a fine grower and good bearer; one of the very best; October to January.

BEURRE EASTER.—Large, yellowish; flesh white, fine-grained, juicy; sweet, rich flavor; very late.

COMICE.—A splendid commercial variety, being of fine size; good appearance; ships well; October.

FALL BUTTER.—Favorite fall pear; yellow, smooth and juicy; September.

WINTER BARTLETT.—Originated in Eugene, Oregon. Fruit large, closely resembling the famous Bartlett in shape and appearance, but ripening considerably later; tender, juicy and melting, and with a most pleasing flavor.

Price, Selected 75c to \$1.00

WINTER NELLIS.—Medium; skin yellowish-green, dotted with gray russet; flesh yellowish-white; fine-grained and abounding with juice of a rich saccharine, aromatic flavor; especially adapted to this valley, producing large crops every year; an excellent shipper and good keeper; November-December.

We please others. We can please you. Try us.

La Castillou, New Mexico, Feb. 20, 1911.
Routledge Seed & Floral Co., Portland, Ore.

Gentlemen: I have your letter of the 11th, and have also received and planted the Trees and Roses you were so kind to send. I am pleased to say that they arrived in fine condition. Mrs. McJohnson is delighted with the roses and joins me in many thanks for all of them.

With best wishes,

C. A. MCJOHNSON.

Manette, Wash., January 27, 1911.

Routledge Seed & Floral Co., Portland, Ore.

Gentlemen: I am much pleased with the Free Premium Bulbs sent me. They are fine; came so promptly. Please accept my thanks for Seeds and Bulbs received O. K.

Very truly yours,

MRS. R. W. HATCH.



CURRENTS

Low prices by the thousand

Unless otherwise priced	Each	12	100
Two years old	\$0.15	\$1.50	\$10.00
One year old .....	.10	1.00	6.00
Extra large selected bushes .....	.25	2.50	

One-year-old Currants sent by mail or express, prepaid for 5c each, or 25c per dozen extra.

PERFECTION.—New; a late introduction of great merit. Our grower says: "You cannot say too much about the good qualities of this grand new sort." So, whether you plant ten or a hundred, plant a good proportion of Perfections, which is the largest, most productive, finest-flavored (rich, mild, sub-acid; plenty of pulp; few seeds), healthy, bright red currant to date.

1 year, each 15c; per dozen \$1.50; per 100 \$12.50

2 year, each 25c; per dozen \$2.50; per 100 \$18.00

BLACK NAPLES.—Very large, black; valuable for jams and jellies.

CHERRY.—Large, deep red; rather acid; fine for preserving; valuable market variety.

FAY'S PROLIFIC.—A new Currant, larger than the Cherry; has less acid, and is more prolific.

WHITE GRAPE.—Large, yellowish white, valuable for the table; the finest of the white sorts.

RED CROSS.—A new red Currant of large size and superior quality; exceedingly vigorous and productive, with long fruit stems.

We can also supply—WEIDLERS, LONDON MARKET, NORTH STAR and VICTORIA at regular prices.

GOOSEBERRIES

Write for our low price per thousand

Unless otherwise priced	Each	12	100
Two years old	\$0.12	\$1.25	\$8.00
One year old .....	.10	1.00	6.00
Large selected bushes .....	.15	1.50	

One-year bushes by mail or express, prepaid, 5c each; 25c dozen extra

OREGON CHAMPION.—Berries very large, pale green color; very sweet and fine for table use and pies; bush strong, not very thorny; very prolific bearer; most popular and best commercial variety. Write for prices by the thousand.

DOWNING.—Large, light green; soft, juicy and good. Vigorous and very productive.

HOUGHTON.—Vigorous grower, abundant bearer; fruit of medium size, pale red, sweet and juicy.

RED JACKET (Josselyn).—Of large size, smooth, prolific and hardy; of best quality; a wonderful cropper, with bright, clean, healthy foliage.

Prices, 1-year each 25c; per dozen \$2.50

Prices, 2-year each 30c; per dozen \$3.00

INDUSTRY.—Large, oval; dark red, hairy, rich and agreeable; vigorous and productive.

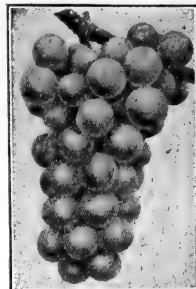
Prices, 1-year each 25c; per dozen \$2.50

Prices, 2-year each 30c; per dozen \$3.00

Every Home Garden Should Have a Few Small Fruit Bushes and Plants. Read about our Home Fruit Garden, page 73. You Can Not Do Better.

GRAPES

Unless otherwise priced	Each	12	100
Two years old	\$0.20	\$2.00	\$10.00
One year old .....	.15	1.50	8.00
Extra large and strong roots.....	.25	.35	
One-year grapes by mail each 5c; per dozen 35c extra.			
If wanted in larger numbers, write for prices.			



McKINLEY.—A new early white grape of great merit; a strong, vigorous grower; thick, healthy foliage, and perfect self-fertilizing blossoms; bunches large and compact; fruit large, nearly round; very sweet, with no acid round the seeds, and no puckery taste in the skin; skin thin, green at first, then turning to yellow; bears handling and shipping well. Price, 1 year, 25c; 2 year 35c

McPIKE.—New. Perfectly hardy, earlier than the Concord; bunches large, even and compact, berries even in size, covered with a beautiful bloom, blue-black in color; ripens uniformly; are of mammoth size, rivaling Black Hamburg, and of superb quality. Price, 1 year 25c; 2 years, 35c

CAMPBELL'S EARLY.—Clusters large and handsome; berries large, round, black, with purplish bloom; flesh firm but tender; seeds few and easily separated from the pulp; flavor rich, sweet and slightly vinous. A strong and vigorous grower and ripens its fruit early. Berries do not drop from the clusters, and fruit keeps a long time in perfection. Price, 1 year, 25c each, \$2.50 doz.; 2 years 35c each; \$3.00 doz.

CONCORD.—Large, black grape, bunches compact, berries round, sweet and pleasant; very popular.

DELAWARE.—Best of our native grapes; grows freely and is perfectly hardy; ripens early; berries small, light red.

THOMPSON'S SEEDLESS.—New. The best seedless grape to date; berry large, oblong and of superior quality; greenish-yellow; good grower and producer. Price 35c each

MOORE'S DIAMOND.—Bunches large; berry greenish-white; flesh juicy and almost without pulp.

MOORE'S EARLY.—Bunch medium; berry large, resembling Concord, but more pulp, and is earlier.

NIAGARA.—Berry large, pale yellow; flesh tender and sweet; productive; one of the best white grapes.

WORDEN.—Bunch very large and compact; berry large, black; an improved Concord.

OTHER GRAPES

It would take pages to list all the varieties of grapes grown on this Coast, especially in California. We list the most popular hardy sorts for general use.

FLAME TOKAY (R).—Bunches very large and moderately compact; berries large; skin thick, pale red, covered with bloom; flesh firm, sweet; an old standard variety, always commands a good price in the Eastern markets, and as a table grape is more extensively planted than any other variety.

BLACK HAMBURG (B).—A fine, tender grape, producing large, magnificent, compact bunches; berries black, very large and oblong. A great favorite everywhere, especially for table.

MUSCAT (OF ALEXANDRIA).—Bunches large, long and loose; berries large, slightly oval, pale amber when ripe, covered with a thin, white bloom; flesh

firm, brittle, exceedingly sweet and rich; fine flavored; the variety most extensively planted for raisins.

WHITE SWEETWATER.—Chasselas de Fontainebleau (W).—Bunches large and compact; berries medium size, round; skin thin, transparent, greenish-yellow; pulp tender, juicy, sweet and richly flavored. One of the best early Grapes.

SEEDLESS SULTANA (W).—Small, white Grape, turning to amber; clusters large. It makes a fine raisin for culinary purposes; at the same time it is a fine wine grape. It is the only grape we know of that is good for both raisins and wine.

RASPBERRIES

Unless otherwise priced—	Each	12	100
Two years old.....	\$0.10	\$1.00	\$6.00
One year old.....	.08	.75	4.00
One year by mail or express, prepaid, 5c each, 25c dozen extra.			
Very low prices by the 1000.			

RED CAPS

SUPERLATIVE IMPROVED

A NEW BERRY OF GREAT MERIT.

The berry is large and firm, with very small, brittle seeds; color, soft crimson. The healthy, vigorous growth, remarkable productiveness, hardness, immense size, handsome, uniform shape and rich, luscious flavor makes the "Superlative" peerless among raspberries and from the shipper's standpoint a most desirable berry; disease resisting, and nearly a week earlier than the Cuthbert.

Price, 10c each; \$1.00 dozen; \$7.00 per 100

CUTHBERT.—Berries very large, deep rich crimson; good for shipping; the most popular of all raspberries; stands the sun and heat well.

MARLBORO.—Very large and early; beautiful, bright scarlet; good quality; hardy and productive.

RED ANTWERP.—Earlier and about the size of the Cuthbert; rich flavor; bright red, and a good market or home berry for this climate.

BLACK CAPS

GREGG.—Of good size, fine quality; very productive and hardy. It takes the same position among Black Caps as Cuthbert among the red sorts.

KANSAS.—Strong, vigorous growers, standing extremes of drought and cold, and bearing immense crops; early; berries size of Gregg; of better color; jet black and almost free from bloom; firm, of best quality.

MUNGER.—A well-known and popular kind. Black, juicy and good size.

CONRATH.—Early blackcap and of superior quality; ten days earlier than Gregg, coming in with the earliest reds. A most desirable and profitable new sort. Price, 15c each; \$1.50 dozen; \$8.00 per 100

DEWBERRY

LUCRETIA.—A trailing variety of the blackberry, ripening between the raspberry and the blackberry; fruit large, handsome, sweet and luscious. Price, each 15c; per 12 \$1.50, postpaid. By express or freight, \$1.00 per 12; \$7.50 per 100.

WE WANT THE TRADE OF PARTICULAR PLANTERS, THOSE WHO WANT SUPERIOR QUALITY. THAT'S WHY WE PROCURE THE BEST STOCKS OBTAINABLE FROM THE BEST FOREIGN AND AMERICAN GROWERS.

BLACKBERRIES

Unless otherwise priced		Each	12	100
One year	.....	\$0.08	\$0.75	\$5.00
Two year	.....	.10	1.00	8.00
One year by mail or express, postpaid, 5c each, 30 dozen extra.				

KITTATINNY.—Large, roundish, conical, glossy black, juicy, sweet; excellent when fully ripe.

LAWTON.—Fruit large; very productive; well and favorably known; Oregon's most popular kind.

ELDERADO.—New. Very vigorous and hardy; yield is enormous; berries large, jet black, borne in large clusters, and ripen well together; sweet, melting and pleasing to the taste; no core, and keep eight or ten days after picking with quality unimpaired.
Price, 15c each, \$1.50 per 12, \$10.00 per 100

EVERGREEN.—Introduced from Oregon; beautiful lacinated foliage, which it retains all winter; berries long, black, sweet, rich and delicious; ripens from July to November; a fine berry for family use.
Price, 15c each, \$1.50 per 12, \$10.00 per 100

HIMALAYA GIANT.—A new grand variety: an exceedingly strong, rampant grower of a trailing nature; a heavy cropper; the berries are large, juicy, coreless, sweet and firm, with a delicious aromatic flavor. Its deep-rooting qualities enable it to produce a large, firm berry even in a very dry season.
Price, 15c each, \$1.50 per 12, \$10.00 per 100

NEW MAMMOTH BLACKBERRY

A grand addition to the list of Blackberries. The handsome, large, juicy berries are delicious. It is a rampant grower, of trailing habit; enormously productive and early. Fruit is enormous, specimens measuring two and one-half inches long; seeds small, soft and abundant; cores small and soft. In size and flavor it surpasses all other varieties of blackberries.

Prices: Two years old, 25c each; \$2.50 per 12, postpaid; by freight or express, \$1.75 per 12; \$10.00 per 100. One year old (tips), 15c each; \$1.50 per 12, postpaid; by express or freight, \$1.25 per 12; \$7.00 per 100.

BURBANK'S PHENOMENAL

Bright crimson raspberry color; very productive, and most delicious of all berries for pies, canning, jellies or jams. Sweeter than the Loganberry and fine as a fresh table fruit.

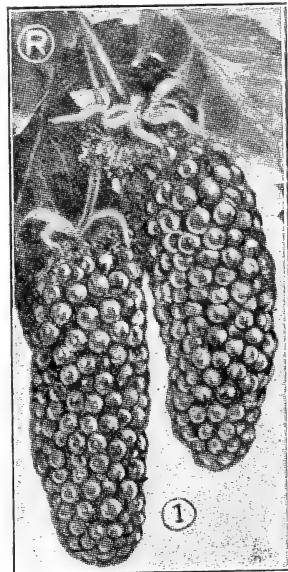
Prices: Two years old, 20c each; \$2.00 per 12, postpaid; by express or freight, \$1.75 per 12; \$15.00 per 100. One year old (tips), each 15c; \$1.25 per 12, postpaid; by express or freight, \$1.00 per 12; \$7.50 per 100.

LOGANBERRY

In great demand again for canning and drying. An exceedingly strong grower and an enormous bearer. The fruit is larger and longer than the blackberry and produced in immense clusters; color, dark red. Has a pleasant, vinous flavor, delicious and peculiar to this berry alone; fruit ripens early. It is excellent for the table, eaten raw or stewed, and for jelly or jam is without an equal.

Prices: Two year old, 20c each; \$2.00 per dozen, postpaid; by express or freight, \$1.50 per 12; \$10.00 per 100. One year old (tips), 15c each, postpaid; by express or freight, \$1.25 per 10; \$7.00 per 100.

We have very low prices on above varieties by the thousand. Write.



New Mammoth.



Goodell Strawberry.

Burlington, Wash., April 7, 1911.
Routledge Seed & Floral Co.
Gentlemen: The Cherry Trees are doing fine that we got of you and ought to be full of cherries this year. Yours truly,
MRS. L. S. PATTERSON.

NEW STRAWBERRY

THE GOODELL—Of Superior Quality

WON A GOLD MEDAL (HIGHEST AWARD) IN COMPETITION WITH CLARKS, MARSHALL, AND OTHER STANDARD SORTS AT ALASKA-YUKON EXPOSITION.

On account of the size, color and general appearances the GOODELL will bring the highest fancy price on any market. Last year they brought 50c to \$1.00 per crate more than other standard sorts.

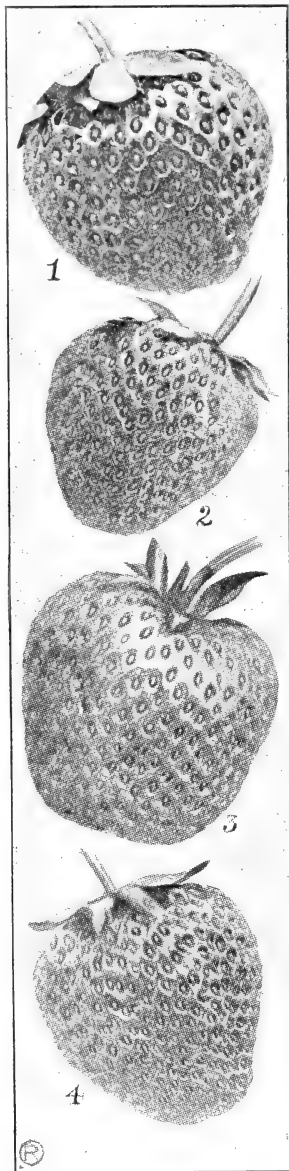
In flavor the GOODELL is unsurpassed; the berry is large, fine shape and solid red to the center. A most productive variety; not out-yielded by any. Don't let a season go by without planting out for trial at least a dozen plants.

Prices: 10c each; \$1.00 per dozen; \$5.00 per 100, postpaid

See next page for all standard varieties Strawberry Plants.

STRAWBERRIES—Continued

Our Strawberries are carefully grown, trimmed and packed in the best manner to insure their arrival in good, fresh condition. IF YOU WANT GOOD, STRONG, HEALTHY, VIGOROUS PLANTS AND TRUE TO NAME, SEND TO US. OUR PRICES ARE RIGHT; OUR PLANTS ARE O. K.



FROM PHOTOGRAPH

- No. 1. New Oregon.
No. 2. Gold Dollar.
No. 3. Marshall.
No. 4. Magoon.
O. K.—The Goodell.—(Page 77.)

GOODELL—Best Yet.

Every strawberry grower, whether he grows for home or market, should "try out" this superb new variety that comes to us so highly recommended. You can get some FREE—SEE PREMIUMS INSIDE FRONT COVER. NOTE—We would thank YOU for a report on this variety.

READ WHAT R. K. Tiffany, Superintendent of Irrigation, U. S., R. S., writes:

"Gentlemen: I am very glad to say a good word for the Goodell Strawberry.

"My attention was attracted by a display of this berry at the Alaska-Yukon-Pacific Exposition, where the Goodell received a gold medal—the highest award given. They were pronounced by all who saw them to be the superior in every respect to any strawberry yet produced. From my own observation I can say that their flavor is the richest of any strawberry I have known; their appearance fine—their keeping and shipping qualities unexcelled, and their yield is far heavier than that of any strawberry that has been introduced into this district."—(See page 77.)

GOLD DOLLAR

This is one of the earliest berries on the market. Fruit good, medium size, and dark red all through; rather tart; fine flavor; foliage heavy, large and spreading, which protects the blooms from early frosts. Has a perfect bloom, and strong stems that hold the berries up from the ground, which helps to keep color and flavor during the early rainy season. A very heavy cropper for so early a berry.

There is money in Gold Dollars, and this year we can supply large quantities at special low prices.

NEW OREGON (IMPROVED)

This is one of the finest and most satisfactory Strawberries ever introduced. It always looks bright, fresh and attractive. The berry is very large, firm and handsome; rich, dark red, extending to the center. The flavor is rich, sweet and delicious. For table use and canning it cannot be equaled. The "Oregon" ripens very early and continues in bearing until late in the season, a good second crop coming on about October. Very prolific and a heavy cropper.

MARSHALL.—One of the best all-round Strawberries; very large; dark crimson throughout; fine flavor; a fine market and table berry. One local grower says in size, appearance, flavor and sweetness it is superior to the popular Magoon; excellent for table and canning, but not a long shipper.

MAGOON.—Berry large, fine and excellent; sub-acid flavor; bears heavily and throughout the season.

CLARK'S SEEDLING.—The berry that has made Hood River famous; best shipper; berries large, firm and of delicious flavor; vines bear large crops; is especially adapted to dry soil.

WILSON.—A heavy bearer of fine, moderate-sized berries; sharp acid flavor; leading sort for canning.

Price List of Plants—	By mail, postpaid.		By express or freight.	
	Dozen	100	100	1000
Clark's Seedling	\$0.25	\$1.00	\$0.60	\$ 4.50
Gold Dollar .....	.40	1.25	.75	5.00
Magoon .....	.25	1.00	.60	4.50
Marshall .....	.35	1.25	.75	5.00
New Oregon (Improved) ..	.40	1.50	.75	5.00
Wilson .....	.25	1.00	.60	4.50

All our Strawberry plants packed in special strawberry crates holding 500 plants each.

Not less than 500 plants of a kind at 1000 rate. Special low prices on 3000 or more. Write, stating quantity and kind wanted.

NOTICE.—EARLY PLANTS.—From August 1st to Oct. 15th, we can supply strawberry plants, especially grown and garden cultivated, at 25c extra per doz., 50c extra per hundred, and \$2.50 extra per thousand. If you want plants before main crop is ready, add the extra cost to above prices.

DON'T

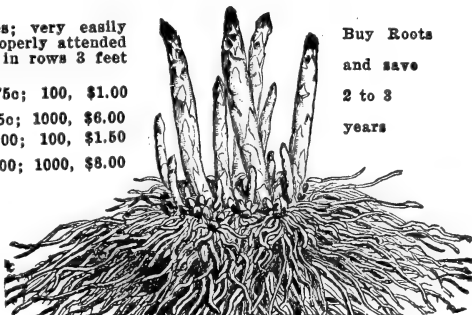
be misled by the fine catalogs sent out from the East. Buy Western grown plants and Western varieties, better berries than ever grew in the East. You know it!

ASPARAGUS

One of the earliest and finest of spring vegetables; very easily grown. A bed once planted is good for years if properly attended to and well manured. Set plants 18 inches apart, in rows 3 feet apart.

One year old plants, postpaid, dozen 25c; 50, 75c; 100, \$1.00
By express or freight, dozen 20c; 50, 50c; 100, 75c; 1000, \$6.00
Two-year-old plants, postpaid, dozen 40c; 50, \$1.00; 100, \$1.50
By express or freight, dozen 25c; 50, 75c; 100, \$1.00; 1000, \$8.00

Buy Roots
and save
2 to 3
years



Asparagus

HOP VINES

English Cluster (the best sort).—Strong roots, postpaid, 5c each, 40c per dozen. By express 25c, per dozen, \$1.50 per 100. Low prices by the thousand



HORSE-RADISH

This useful condiment is easily grown, and prefers a rich, moist loam. Plant in rows 18 inches apart, putting the sets one foot apart, being careful to place the thin end down in the ground. Postpaid 5c each, 40c per dozen
By express or freight, 25c per dozen, \$1.50 per 100. Low prices by the thousand

RHUBARB OR PIE PLANT

(WINE PLANT)

Set roots 3 feet apart in rows 4 feet apart, in the richest ground you have or can prepare.

RHUBARB ROOTS

Varieties—Mammoth, Giant and Linnaeus

One-year-old roots, postpaid, each 8c; dozen 75c. By express or freight, dozen 50; 100 \$3.00.
Two-year-old roots, postpaid, each 15c; dozen \$1.50. By express or freight, dozen 85c; 100 \$6.00.
If wanted in larger quantities, write for special prices.

EVERBEARING CRIMSON WINTER

Very Early, Prolific, Vigorous

This new variety has created a great sensation and proved to be very valuable, especially in California. We believe it will grow anywhere equally as good as the common sorts, but to obtain its highest state of perfection and yield, it should be planted in a warm location, where it will produce, it is claimed as much as \$2,000 per acre. The new Crimson Winter Rhubarb will produce marketable stock abundantly fully six months earlier than any other rhubarb. The stalks are of medium size, a brilliant crimson and of the very best quality. If kept moist it will produce stalks abundantly at any season. It is, in fact, absolutely perpetual.

Price, small roots 25c each, \$2.50 dozen, postpaid. By express or freight, \$2.00 dozen, \$15.00 per 100.

VEGETABLE PLANTS

We grow large quantities of choice vegetable plants, and can supply all of the varieties listed below, in their proper season, in most any quantity. We can supply all vegetable plants in two grades—plants direct from the seed beds and those that have been transplanted into shallow boxes. Transplanted plants are much stronger and better rooted, and are well worth the price, especially in the early part of the season. We can supply most any of the leading sorts. Tell us your choice of varieties, and we will send it or give good substitute.

Let us have your orders early and we will ship them later, or as requested.

No plants sent C. O. D.

	Postpaid	By express
Cabbage.	Dozen	100 1000
Early or late kinds, transplanted.....	\$0.20	\$1.00 \$7.50
Not transplanted .....		.60 5.00
Add 25c per 100 for Cabbage Plants by mail.		

Cauliflower.	Dozen	100 1000
Early Snowball, transplanted....	.30	1.50 12.00
New Wonder, transplanted.....	.30	1.25 10.00
Late kinds, transplanted.....	.30	1.25 10.00

Late kinds, not transplanted.....	.25	1.00 7.50
Add 25c per 100 for Cauliflower Plants by mail.		

Celery.	Dozen	100 1000
Leading kinds, transplanted.....	.25	1.00 7.50
Not transplanted .....		.75 6.00
Add 25c per 100 for Celery Plants by mail.		

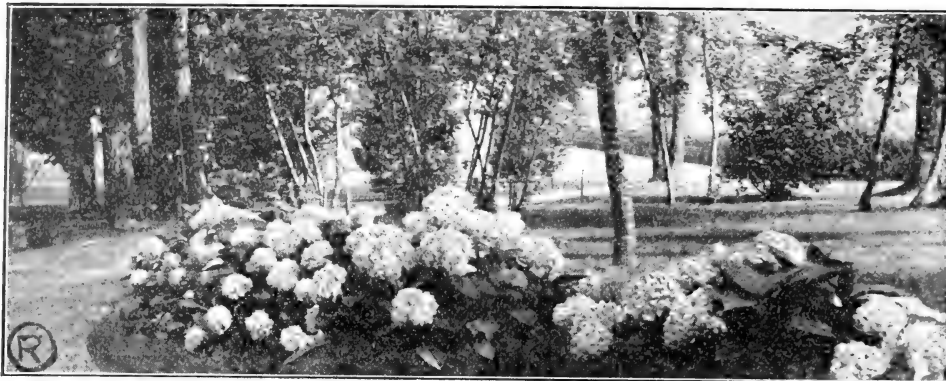
Tomatoes.	Dozen	100 1000
Leading kinds, transplanted.....	\$0.35	\$1.25 \$10.00
Not transplanted .....		.75 7.00
Add 40c per 100 for Tomato Plants by mail.		
Special—Pot-grown tomato plants; large and strong; 10c each; \$1.00 doz., not postpaid; must go by express.		

MISCELLANEOUS PLANTS

All Transplanted

	Dozen	100 1000
Broccoli	\$0.25	\$1.00 \$7.00
Brussels Sprouts .....	.25	.75 6.00
Celeriac .....	.25	.75 6.00
Egg Plant .....	.30	1.00 7.00
Pepper .....	.30	1.00 7.00
Sweet Potato Plants .....	.30	1.00 7.00
Tobacco .....	.30	1.00 7.00
Add 25c per 100 for above plants by mail.		
Chives (Schnittlauch).		Per bunch 25c

You will note we have revised our prices—we don't care to sell the cheap grade of plants. We pay our grower as much as some others sell for at retail because we want to supply you with better plants—"Highest Quality."



SHADE, NUT AND ORNAMENTAL TREES AND SHRUBS

HARDY FLOWERING SHRUBS.—There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and homelike appearance of a place as an assortment of hardy shrubs. They are permanent improvements, which increase in size, value and beauty year after year.

SPECIAL SERVICE

Space in this catalog will not permit us to illustrate and describe the following stocks as we would like to, but if you live in the vicinity of Portland or some town where we have an experienced salesman, we will gladly have him call on you. Our salesmen carry handsomely colored plate books and photographs of all our leading stocks. These books are very interesting, and we would like to show them to you if possible. Write to us; we may have a salesman your way soon, and he will not only "show you," but you will get the benefit of his experience as to what is best to plant, and where or what ground to plant it on. Let us talk to you by letter, anyway. Write us.

LANDSCAPE ARCHITECTS AND GARDENERS

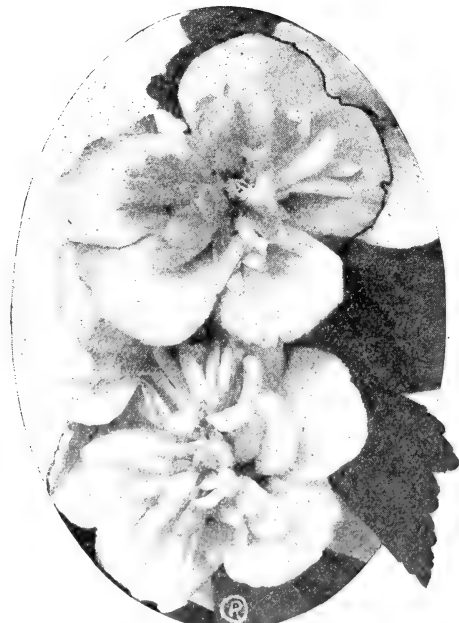
We are in close touch with the best landscape architects and gardeners in the West, and no matter how small or how elaborate a garden, lawn or park you want laid out, we will put you in touch with an artist equal to the occasion, if you give us an idea of what you want. This is free service to our customers. You make your own arrangements with the person sent, as to plans, labor, etc.

FOR YOUR GUIDANCE

To make it more convenient for the average person to find certain stocks, we will list in alphabetical order all Shade, Nut and Ornamental Trees and Shrubs (climbing plants excepted), and use the following letters after the name to classify them.

D—Deciduous—Trees and Shrubs that drop their foliage in fall and winter

E—Evergreens—These retain their foliage year around



Althea (Rose of Sharon) Flower

ACER.—See Maples.

ACUBA (E).

Japonica.—Beautiful, broad leaved evergreen, with leaves speckled and striped golden yellow; elegant shrub for specimen on the lawn or for planting among other shrubbery; bears bright red berries in winter time. **\$1.25 to \$3.00**

ALMOND (D)—Nut Bearing.—Almonds can be grown successfully in many sections of Oregon and Washington, and are attracting much attention from commercial orchardists. We can supply most of the leading varieties at price listed. Special prices on large orders. Select Trees 4 to 6 feet, each 50c to 75c
I. X. L.—A vigorous grower and sure cropper, producing nuts of large size and handsome appearance; shell thin; most popular commercial sort.

Hard Shell.—A fine, hardy variety, with large, plump kernel of good quality.

ALMOND (Flowering.)—Beautiful shrub, bearing in May, before the leaves appear, double, rose-like flowers.

Double Red or White.—3 to 4 feet. Each 50c to 75c

ALTHEA (D)—Rose of Sharon.—These beautiful shrubs bloom very freely in August and September, when few other shrubs are in bloom, and, being easily cared for, are worthy of a place in every garden. Our collection comprises double varieties. Purple, Pink and White.—3 to 4 feet.

Each 60c to 75c

ARBOR VITAE (Thuja).

Pyramidal.—A most valuable upright evergreen of Each \$1.00 to \$3.50

Chinese Golden.—A low, compact shrub of a beautiful golden yellow. 1 foot up \$1.00 to \$3.00

ARAUCARIA, IMBRICATA (E).

Chile Pine, or Monkey Tree.—Very rare and beautiful, pointed, needle-like leaves.

1 foot up, \$1.50 to \$2.50

Araucaria Excelsa.—See page 8.

AZALEA (D).

Mollis.—The most gorgeous of all hardy shrubs.

The blossoms, which vary in color from intense crimson to lemon yellow, are borne in greatest profusion in early spring, before the leaves appear. It makes a compact, symmetrical shrub.

GRAFTED.—Select varieties in White, Yellow, Orange or Red, each \$1.50 to \$2.00

SEEDLINGS.— 75c to \$1.00

A. Crimson.—A hardy evergreen species. These are contrasted with plants of lighter foliage, dazzling in their brilliancy. Each \$1.00 to \$1.50

BAMBOO (E).

A very ornamental Oriental plant. We import a fine collection of Bamboo from Japan.

For "Grasses" and Reeds, see page 62.

Berberis—D.—(Barberry)

The Barberry is an interesting family of shrubs, varying in size from 3 to 6 feet and having graceful, feathery foliage. Its showy flowers in early summer are succeeded by bright-colored fruit, which is very conspicuous in autumn and early winter.

Thunbergii.—A beautiful Japan variety of dwarf habit. Small foliage, changing to beautiful red in autumn. Very desirable for grouping. Fine for hedge. Each 50c to 75c

Vulgaris (Common European).—Yellow flowers in drooping racemes in early summer, followed in autumn by orange-scarlet fruit. Each 50c to 75c

Vulgaris Purpurea (Purple).—Violet-colored foliage and fruit; rich-looking and very effective when contrasted with plants of lighter foliage. Each 50c to 75c

BEECH (D)—Fagus.

Purple Leaved.—Foliage is deep purple in the spring, changing to crimson in the fall.

3 to 6 feet, each \$1.50 to \$3.00 and up

Weeping (Purpurea Pendula).—One of the most beautiful and ornamental weeping trees.

Each \$2.00 to \$3.00

BIRCH (D)—Betula.

Remarkable for its elegance; very graceful, with silvery bark and slender branches.

European White. 6 to 8 feet, each 75c; 8 to 10 feet, each \$1.00 to \$1.50

Weeping Cut-Leaved (alba lanciniata pendula).—Charming tree. Its tall, slender, yet vigorous growth, gracefully drooping branches, silvery-white bark and delicately-cut foliage present a combination of attractive characteristics rarely met with in one tree.

5 to 6 feet, each \$1.00; 8 to 10 feet, \$1.50 to \$2.50

BOXWOOD (E)—Buxus.

A compact evergreen, that can be trimmed into balls, box or pyramidal shape. Makes handsome specimens.

Dwarf, Common.—Fine for borders, edgings or low hedges.

6 inch, each 15c; per 100, \$10.00; nice plants \$1.00 per foot

Specimen Plants.

Pyramids. 2 feet \$2.50; 3 feet \$3.50; 4 feet \$7.50

Standard.—Ball shaped tops on heavy stems, very ornamental. From \$5.00 to \$15.00 pair

BLEEDING HEART.—See Dicentra, page 61.



Azalia Molli.—(Flowers one-third Size)

BOX ELDER.—See Negundo Maple.

BUTTERNUT (D).

4 to 5 feet, each 75c to \$1; 6 to 8 feet \$1.50

CALYCANTHUS (D).—Sweet-Scented Shrub.

Floridus (Carolina Allspice).—Very sweet-scented, aromatic foliage; chocolate-colored double flowers. Very ornamental shrub. Each 60c to 75c

CAMELLIA (E).

Beautiful for the house or garden; evergreen foliage; wax-like flowers, which appear about Christmas indoors or early spring outside.

Japonica, Double White, Pink or Red.

1½ to 2 feet, each \$1.00 to \$1.50

Sasanqua.—Smaller leaves than above and blooms earlier. Double white. Each 75c to \$1.00

CATALPA (D).

A beautiful shade tree. White flowers in July.

Speciosa.

4 to 5 feet, each 60c; 7 to 9 feet 75c to \$1.00

Bungei.—Very ornamental. 6 feet, \$1.50 to \$2.50

CEDAR (E)—Cedrus

Atlantica.—One of the most beautiful evergreens. Upright growth, but low-branched and of compact habit. Foliage light green. Each \$1.00 to \$3.00

Deodora (Deodar or Indian Cedar).—Of vigorous growth; pyramidal form; graceful foliage of a light, silvery or glaucous green. One of the most beautiful of evergreens.

Each, 1 foot up, \$1.00 to \$3.00 and up

Aurea.—Graceful foliage of light golden yellow on the young shoots. Each, 1 foot, \$1.50

Weeping (Drooping Red Cedar).—With spreading limbs and slender, pendulous branches. Each, 1 foot, \$1.50

CHESTNUT (D).

Very popular, stately shade trees.

American Sweet. 6 to 8 feet, each \$1.00 to \$1.50

Spanish. 4 to 6 feet, each \$1.00; 7 to 8 feet \$1.50

Mammoth Japanese.—Large, good edible nuts. 4 to 6 feet, each 75c to \$1.00; 6 to 8 feet \$1.50

Horse, European, Red Flowering.—Much slower grower than the white. 3 to 4 feet, each \$1.00; 6 to 8 feet \$1.50 to \$2.00

Horse, White Flowering.

4 to 5 feet, each 60c to 75c; 6 to 8 feet, \$1.00 to \$1.25; 9 to 10 feet, specimens, \$1.50 to \$2.00

CLETHRA (D).—Sweet Pepper Bush

Alnifolia (Sweet Pepper Bush).—An upright, slow-growing shrub, with spikes of fragrant white flowers in midsummer, which continue for a long time. Useful for massing, for natural planting of woods, or for the beauty of the single specimen. Each 60c to 75c

COTONEASTER (E).

Choice evergreen, with minute, deep, glossy, green foliage and red berries.

Horizontalis.—A plant of prostrate habit of growth, admirable for covering low walls, or to use in rock work. Choice plants, each 50c to 75c and up

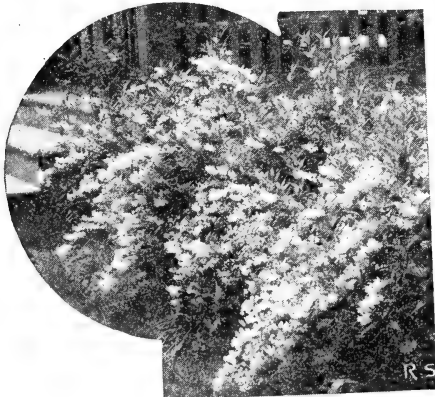
Simondsii.—A beautiful, upright shrub, with fruit of a rich, deep orange color. Each 50c to 75c

CRYPTOMERIA (E).

Beautiful evergreen for lawn planting. We import choice sorts from Japan.

1 to 3 feet, each \$1.50 to \$4.00

Elegans.—Delicate fine foliage that changes to reddish brown in winter. Each \$1.50 to \$5.00



Deutzia (Next page.)

Our prices are for large 3 to 4-year old field grown shrubs—not greenhouse plants. They are worth all we ask. Don't compare our prices with the cheap Eastern mail order houses.

CRAB, FLOWERING (D)—Malus

Bechtel's Double Flowering Crab.—Bears masses of double, rose-like flowers, of a delicate pink color and most delightful fragrance. Blooms when quite young. 3 to 4 feet \$1.00
For Flowering Cherry, Peach, etc., see *Prunus*, page 86.

CYPRRESS (E).

Lawson's.

Hardy, graceful growing evergreen, with feathery bluish-green foliage.

Specimen plants (See Cut). 75c to \$2.50 and up
For Hedges.—Small plants 8 to 18 inches; write for prices.

DAPHNE (E).

Superb evergreen shrub of compact growth, bearing in early summer many bluish white flowers, highly perfumed, and very lasting. The sweetest-scented shrub in existence. Hardy only west of the Cascades.

White, Pink or Lilac.

Each \$1.00 to \$1.50

DEUTZIAS (D).

A showy class of shrubs of compact growth, luxuriant foliage and very free-flowering. (See cut, page 81.)

Crenata Fl. Pl.—4 to 6 feet; flowers in long spikes; white, tinged rose; very double and full.

Each 50c to 75c

Gracilis.—Low-growing, compact; covered all over with pure white, bell-shaped flowers.

Each 50c to 75c

Lemoinei.—Flowers very large and produced in broad-based, cone-shaped heads of from 20 to 30 flowers each, of purest white. Each 50c to 75c

Pride of Rochester.—Flowers very double and full; pure white, tinged with bluish; great profusion.

Each 50c to 75c

DICENTRA—(See page 61).

DESMODIUM (D)—Tick Trefoil

Showy shrubs, with a mass of graceful sprays and pea-shaped flowers. Late-blooming, continuing until frost.

Penduliflorum.—Rosy purple, or reddish flowers. Excellent as single specimens, or for massing.

Each 60c to 75c

DOGWOOD (D)—Cornus

Oregon (Cornus Nuttalli).—One of the handsomest of our native trees. A fine ornamental tree with large white flowers, pretty foliage and attractive bark. Each 75c to \$2.00

SHRUB DOGWOODS.—These are most desirable on account of their pretty flowers and highly colored bark of the twigs and branches.

Paniculata.—White flowers and fruit. 3 to 4 feet.

Each 75c

Sibirica (Red Siberian Dogwood).—A rare and remarkable variety, with bright red bark in winter.

Each 60c to 75c

Spathi (Gold-leaved Dogwood).

Each 75c

ELDER (D)—Sambucus

These are showy, large shrubs, ornamental in flower, fruit and foliage. Of easy cultivation.

Canadensis (Common Elder).—Broad heads of white flowers in June, and dark red berries in autumn.

50c to \$1.00

Cut-Leaved (lacinata).—A very beautiful variety. Foliage curiously divided. 50c to \$1.00

Golden-Leaved (foliis aureis).—It has beautiful fern-like golden foliage, which retains its showy bright yellow color through the entire summer until late autumn. 75c to \$1.50

ELM (D).

One of our most popular and best shade trees. Very desirable for street planting.

American White.

6 to 7 ft. each 75c; 8 to 10 ft. \$1.00 to \$1.50

Cork Bark.

6 to 7 ft. each 75c; 8 to 10 ft. \$1.00 to \$1.50

Purple-Elm. 6 to 8 feet each \$1.50

Weeping Elm (Camperdown).—One of the most beautiful and remarkable of weeping trees; low growing, branches extending horizontally. Priced according to size of head. Each \$1.50 to \$2.50

EUONYMUS (E)

Sieboldii (Japonica).—Leaves dark shining green. A fine plant for the lawn. 75c to \$1.00 and up

Aurea Variegata.—Leaves variegated green and gold. A very striking plant. 75c to \$1.00 and up

Alatus.—Cork-bark, very ornamental; leaves turn red in fall. 75c

Europaeus (Spindle Tree—Burning Bush).—A large shrub or tree, bearing rose-colored fruit in autumn; fine; 3 to 4 feet. Each 60c to 75c

Radicans (Trailing).—Very hardy, dense-growing, trailing vine; has dull green leaves with whitish veins; Grows rapidly if planted in reasonably rich ground; also useful for covering old walls, etc., as it is self-clinging. Each 50c to 75c



Lawson Cypress.

EULALIA.—See page 62.

EXOCHORDA (D)—Pearl Bush.

Grandiflora.—Produces large white flowers in May; one of the finest shrubs of its season.

2 to 3 feet each 60c to 75c

FAGUS.—See Beech.

FIG (D).

Grown both for fruit and ornamental.

White or Black.

4 ft. up, each 50c to 75c; extra large \$1.00 to \$1.50

FILBERTS (D).

These nuts do well on this Coast. We can supply Barcelona, DuChilly, the most popular sorts.

2 to 3 ft. each 35c to 50c; per 10, \$4.00; 100, \$35

Corylus Purple Filbert.—Large bush, with large, dark purple leaves; makes a very effective contrast when planted among green-foliaged plants.

3 to 4 feet each 75c to \$1.00

FLOWERING CURRANT (D)

Ribes.—The Flowering Currants are gay, beautiful shrubs in early spring, and of the easiest culture.

Sanguineum.—Charming crimson flowers in early spring; fine variety. Each 50c to 75c

Aureum.—Beautiful yellow flowers; very fragrant, smooth, shining foliage. Each 50c to 75c

FORSYTHIA (D)—Golden Bells

Viridissima.—Blooms early in spring, before the leaves appear, when it is covered with golden, bell-like flowers. Each 60c to 75c

Suspensa (Weeping Golden Bell).—Somewhat pendulous in habit. 60c to 75c

GENISTA (E)—Broom Bush

Scoparia (Scotch Broom).—Rapid growing hardy shrub; trusses of yellow flowers in May. Each 50c to 75c

Andraena.—Deep yellow and red. Each 75c to \$1.50
Juncea (Spanish).—New yellow variety, blooms all summer. Each \$1.50

GINKGO (D)—*Salisburia*

Adiantifolia.—A grand Japanese tree of compact, pyramidal habit. Leaves similar in form to those of the well-known Maidenhair Fern. Very effective for the lawn or avenue; rapid grower and perfectly hardy.

Each: Imported plants 75c; large trees \$1.50 and up

HALESIA (D)—Silver Bell; Snow Drop Tree.

Tetraptera.—A beautiful large shrub, with pretty white bell-shaped flowers in May. One of the most desirable shrubs. Each 60c to 75c

HEDERA.—See Ivy, page 90.

HICKORY (D)

Slow growing tree.

Each \$1.00

HIBISCUS.—See page 62; also *Althea*, page 80.

HAWTHORN (D).

A beautiful flowering shrub that grows to be a fair-sized tree; very desirable; fine foliage.

Alba Plena.—Double white. 75 to \$1.50 each

Paul's Scarlet.—Double scarlet, very rich.

Each 75c to \$2.00

Double White or Red.

3 to 4 feet \$1.00; 6 to 8 feet \$1.50

Single White.—For hedge plants.

2 ft. each 20c; per 50, \$7.50; per 100, \$12.00

HOLLY (E)—*Ilex*.

Beautiful small specimen tree for lawn planting. Attractive all the year because of their broad, glossy, prickly leaves, but most beautiful from November to April, when laden with bright scarlet berries.

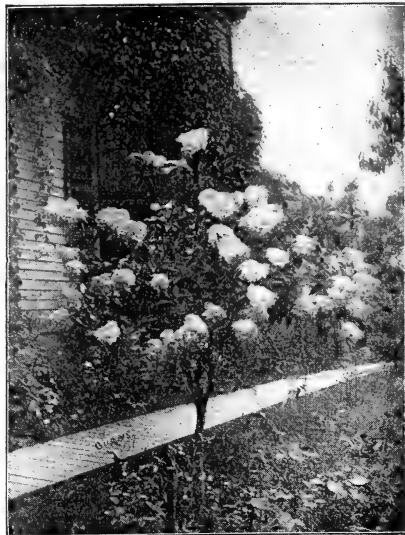
We have a fine lot of Hollies, both seedling and grafted stock. We also have at different times very large, fine specimens, with or without berries, from \$10.00 up.

English (Aquifolia).—Berry-bearing plants, per foot, \$1.00; nice plants, \$2.50 to \$6.00; seedling stock, per foot 75c; nice plants, \$1.50 to \$3.00; small plants, 4 to 8 inches, for large plantings, very cheap. Write.

Gold or Silver Margined \$1.50 to \$3.00 and up

HONEYSUCKLE UPRIGHT.—See *Lonicera*.

HYPERICUM.—(See page 62.)



Hydrangea, *Paniculata*, Tree-Shape

HYDRANGEA (D).

Paniculata Grandiflora.—The grandest as well as the most popular, of all shrubs, and hundreds of thousands of them are sold every year; excellent for hedges or massing; unsurpassed for the lawn; blooms in July and August, and continues in bloom for two or three months. The flowers are massive, cone-shaped, sometimes 10 inches in length, and changing from the original pure white to pink, and finally to a beautiful rich coppery red.

Small, 35c each; \$3.00 dozen; 2 to 3 feet, 40c to 60c; 3 to 4 feet, 75c; specimens, tree-shaped, each \$1.50.

Arborescens Alba Grandiflora (Snowball Hydrangea).

A grand addition; flowers come in July and August, and are large, conspicuously white; fine for single specimen or cut flowers. 75c to \$1.00 each

JUNIPER (E).

Very desirable, generally grown in pyramidal form; foliage fine and beautiful.

Compacta, 1 ft. each 75c; 2 foot up \$1.00 to \$3.00
Irish, 1 ft. each 75c; 2 to 3 ft. \$1.00 to \$2.50

JUDAS TREE (D)—*Cercis*

Japonica (Red Bud).—Very showy and beautiful when in bloom. Covered with a mass of small pink flowers early in the spring before the leaves appear. Each 75c

KALMIA (E)—Mountain Laurel.

Latifolia.—A beautiful companion to the *Rhododendron*; beautiful flowers in clusters, pink changing to white; elegant foliage. Each \$1.50 to \$2.00



Hydrangea *Hortensis*

HYDRANGEA HORTENSIA—D—

A handsome half-hardy Japanese shrub; most frequently seen in tubs and vases, and does well in somewhat sheltered place. Ornamental foliage and beautiful flowers in large trusses.

Hortensia Rosea.—A beautiful new pink from Japan. Each 75c to \$1.00

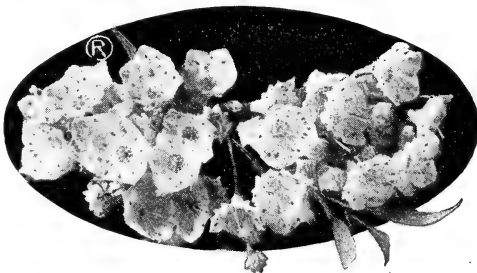
Hortensia Stellata Rubra.—A grand star-shaped flower, almost double; very beautiful rose and pink; not as hardy as others; excellent for forcing and pots. Each 75c to \$1.00

Hydrangea Scandens.—See Climbers, page 90.

Hortensia Involucrata Pleno.—Flowers double and of a beautiful deep pink; in large clusters. 75c to \$1.00

Hortensia Ajisai Var.—Large flowers; clear blue. 60c to \$1.00

Hortensia White.—Pure white; large flower. 50c to \$1.00



Kalmia Flowers (One-third Size)



Single Lilac
(Grafted Stock)

KERRIA (D)—*Corochorus*

Japonica.—A green-branched shrub, 5 to 6 feet high; abundant yellow flowers from June to October.

Each 50c to 75c

LAUREL (E).

English.—A small tree, or bush, with handsome shining thick foliage. Specimen plants 2 to 3 feet and up.

Specimens \$1.50 to \$3.00 and \$4.00

Small, 12 to 18 in. and up, 50c to 75c. Write for prices in quantity for hedge.

Portugal Laurel (*Laurus Lusitanica*).—A small, intricately branched tree, with glossy leaves. Flowers white, disposed in slender racemes, appearing in late spring or early summer. 1½ to 2 feet.

60c to \$1.00

Mountain Laurel, see *Kalmia*, page 83.

LABURNUM (D)—*Cytisus*

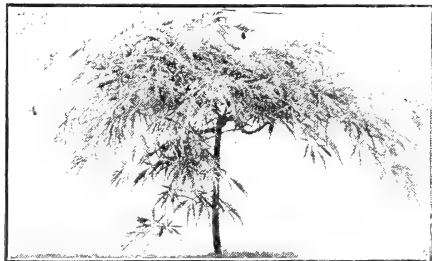
Laburnum (Common Laburnum, or Golden Chain).—Smooth and shining foliage. The name "Golden Chain" alludes to the growth of the drooping racemes of yellow flowers which appear in June.

Each 75c to \$1.00

LINDEN (D).

European.—Very desirable and beautiful tree for park or street planting; large heart-shaped leaves, white flowers.

5 to 6 ft. each 75c; 6 to 8 ft. \$1.00 to \$1.50



Japanese Maple, *Dissectum*. (See next page.)

BEAUTIFUL DAHLIAS

We offer on pages 53 to 58 the world's latest creations. They are beautiful and should be more extensively planted.

LOCUST (D).

Black or Yellow.—A handsome, hardy tree; white flowers in June.

5 to 6 feet each 35c; 8 to 9 feet 75c

Honey Locust.—Rapid growing, sharp thorns; excellent for large hedges or fences.

2 to 3 feet 25c; 4 to 6 feet 35c to 50c; 8 to 9 feet 75c to \$1.00.

LILACS (D)—*Syringa*

Every one loves the lilac and no garden is complete without one or more. The new imported grafted varieties are very beautiful and produce magnificent large flowers.

NEW GRAFTED VARIETIES—

Each 75c; select plants, 3 to 4 feet and up, \$1.00 to \$1.50

Charles X (Single).—A strong, rapid grower; leaves dark and shining; trusses large and rather loose; color reddish purple.

Marie LeGrave (Single).—Beautiful creamy white flowers of immense size; bush of dwarf habit. One of the most popular white varieties.

Souvenir de Louis Spaeth (Single).—Immense trusses of a deep rosy purple; very choice.

Mme. Casimir-Perier (Double).—The finest double white Lilac. The individual flowers, as well as the truss, are of immense size, deliciously scented; fine for cutting.

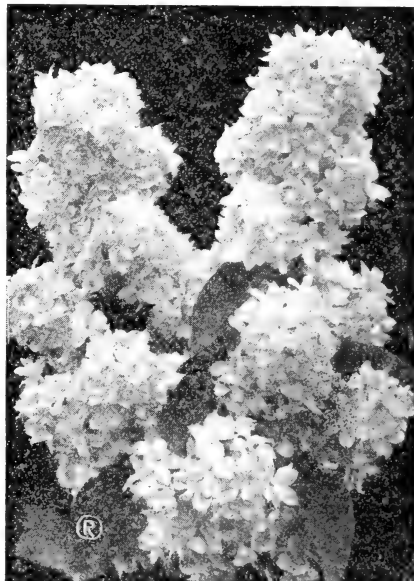
Mme. Lemoine (Double).—Fine double white variety that is used extensively for winter forcing.

Michael Buehner (Double).—The best pale lilac or lavender.

President Grevy (Double).—Very large and double; beautiful blue panicles nearly a foot long.

Vulgaris.—Common White or Purple.

3 to 4 feet, 50c to 75c; large specimens, \$1.00 to \$2.00



Double Lilac (Grafted Stock)

IONICERA (D)—Bush, or Upright Honeysuckle.

Tatarica (Tartarian Honeysuckle).—Pink flowers, which contrast most beautifully with the foliage. Red berries after flowers.

Each 50c to 75c

Alba (White Tartarian Honeysuckle).—Its habit is the form of a high bush, with creamy white flowers; very fragrant.

Each 50c to 75c

MAGNOLIA (E).

Grandiflora.—Their elegant habit and foliage alone would render them indispensable, but the flowers, their crowning beauty, are unequaled in size and showy effect among hardy trees and shrubs. A magnificent evergreen, with large, leathery green leaves, more than a foot long; bears large, fragrant white flowers.

Small 75c to \$1.00

2 to 3 feet \$1.50 to \$2.00; specimen plants \$3 to \$5

MAGNOLIA (D).

Conspicua.—A Chinese species of great beauty; shrub-like in growth while young, but attains the size of a tree in time. The flowers are large, pure white, very numerous and appear before the leaves. 2 ft. each \$1.00; 3 ft. each \$1.50 to \$2.00

Soulangiana.—In habit it closely resembles *Conspicua*; flowers white and purple, cup-shaped and three to five inches in diameter; foliage large, glossy and massive; blooms later than *Conspicua*. Small, each \$1.00; large, each \$1.50 to \$3.00

Magnolia Obovata.—Exterior petals purple, veined with deeper color, white center.

Obovata.—Has striking flowers, light purple, richly variegated with white inside, outside white.

Salicifolia.—New species, called Fragrant Magnolia. The white flowers, as well as the leaves and bark, emit a sweet, aromatic perfume.

Each \$1.50 to \$2.00

MAHONIA AQUIFOLIA (E)—Oregon Grape.

Native of Oregon, and our state flower. Very valuable and desirable on account of its beautiful foliage and clusters of yellow flowers in spring, followed by blue-black berries.

Choice plants, nursery grown, 50c, 75c, \$1.00
Write for quantity price.

MAPLE (D)—*Acer Japonica*.

Japanese.—A beautiful class of low-growing, shrub-like trees, having brilliant colored leaves, which retain their brightness from spring until fall. Nothing finer than these can be had for planting, either in groups or singly on the lawn. Their dense, compact growth, graceful habit and rich colored foliage make them favorites with all who see them. (See cut, page 84.)

Price: Any of the following varieties of Japanese Maples, choice plants, \$1.00 to \$2.00; specimen plants \$3.00.

Atropurpureum.—Deep maroon, palmate leaf.

A. Osaka-Zuki.—Light maroon, changing to blood red in fall; palmate leaf.

A. Atropurpureum, Dissectum.—Deep maroon, richly fringed, thread-like leaflets, drooping nature.

A. Aureum.—Circular-shaped, obtusely cut, yellow leaves.

A. Scolopendrifolium Rubrum.—Dark red, fine, ribbon-like leaflets.

A. Atropurpureum Variegatum.—Bright crimson, with deep maroon variegation.

A. Sanguineum Chishio.—Small blood-red palmate leaves.

A. Reticulatum.—Green network variegation on yellow ground; palmate leaf.

MAPLE (D)—*Acer*.

Silver Variegated (A. Negundo Variegatum).—Most attractive; leaf is variegated white and green; at a distance it has the appearance of the whole leaf being a silver-white; an excellent lawn tree. 4 ft. each \$1.00; 5 to 6 ft. \$1.25 to \$1.50

Ash-Leaved (Box Elder or Manitoba Maple; A. Negundo).—A fine, rapid-growing variety, with handsome, light green pinnated foliage and spreading head; very hardy; desirable for street planting.

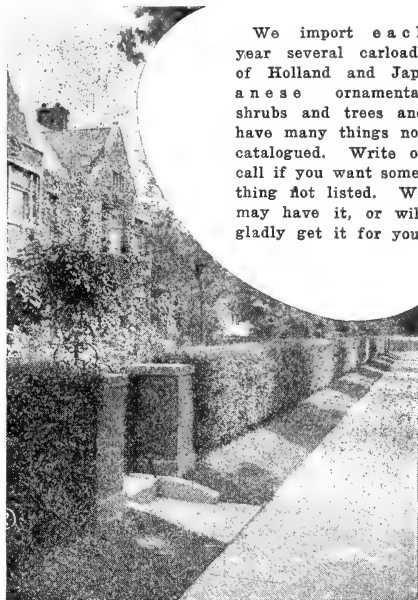
6 to 8 feet each 75c to \$1.00

Norway (A. Platanoides).—Its large, compact habit, broad, deep green shining foliage, and its stout, vigorous growth, renders it one of the most desirable species for streets, parks and lawns.

6 to 8 ft. each 60c to 75c; 10 ft. up \$1.00 to \$2.00

Oregon (A. Macrophyllum).—A most graceful tree, with wide-spreading branches and large foliage; very rapid growth.

6 to 8 ft. each 60c to 75c; 10 ft. up \$1.00 to \$1.50



Privet Hedge—Most desirable. (See page 86.)

Purple-Leaved Sycamore (A. Pseudo-Platanus Purpureum).—Leaves deep green, purplish red beneath, producing a beautiful color effect when leaves are in motion.

6 to 8 ft. each 75c to \$1; 10 ft. up \$1.50 to \$2.00

Silver-Leaved, or Soft (A. Dasycarpum).—Native tree of rapid growth; foliage bright green above and silvery-white beneath.

6 to 8 ft. each 60c to 75c; 10 ft. up \$1.00 to \$1.50

Sugar, or Rock (A. Saccharinum).—Popular; its upright habit of growth, dense shade and adaptability to different soils have rendered it one of the most extensively used.

6 to 8 ft. each 60c to 75c; 10 ft. up \$1.00 to \$1.50

Sycamore (A. Pseudo-Platanus).—A noble variety; deep green foliage; a rapid, upright, free grower; excellent for lawns; fine for planting at the "cost."

6 to 8 ft. each 75c to \$1; 10 ft. up \$1.50 to \$2.00

Wier's Cut-Leaved Silver (A. Wierii Laciniatum).—Beautiful trees, with cut or dissected foliage; of rapid growth; shoots slender and drooping; graceful; foliage silvery underneath.

6 to 8 ft. each 75c to \$1; 10 ft. up \$1.50 to \$2.50

MOUNTAIN ASH (D).

Very ornamental trees, especially when covered with red berries in the fall.

European. 6 to 8 ft. 50c to 75c; 9 to 10 ft. \$1.00 to \$1.50

Weeping. 6 to 8 ft. \$1.50 to \$2.00 each

MULBERRY (D).

Downing's Everbearing.—This makes a fine tree for the lawn or garden, and its abundant supply of refreshing fruit increases its value greatly.

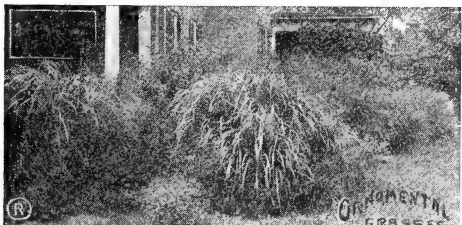
6 to 8 ft. each \$1.00 to \$1.50

New American Sweet.—Dwarf, slender, branching variety; graceful and hardy; fine, large edible black fruit.

6 to 8 ft. each \$1.00 to \$1.50

Tee's Weeping.—Very graceful hardy; forms perfect umbrella-shaped heads, with long, slender, willow branches, drooping to the ground; beautiful, healthy foliage.

Grafted 1-year heads, \$1.50; 2 years and over, according to the shape of heads, \$2.00 to \$5.00 up



PAMPAS GRASS.

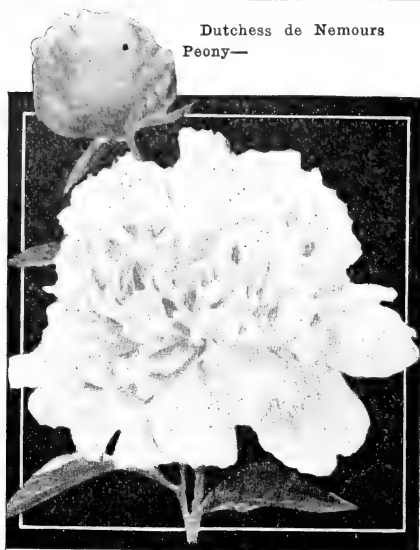
A noble ornamental grass, easily grown, producing long, pointed leaves and majestic, silvery white plumes, which are very valuable for winter decoration; grows 6 to 8 feet high.

Strong roots 75c; large specimen plants \$2.00 to \$5.00 up

Our prices are for large 3 to 4-year old field grown shrubs—not greenhouse plants. They are worth all we ask. Don't compare our prices with cheap Eastern mail order houses.

Manette, Wash., March 27, 1911.
 Routledge Seed & Floral Co.
 Gentlemen: Your Trees and Strawberry
 Plants are all O. K. The trees are in the
 ground and show vigorous growth.
 We thank you for them and hope we may
 be able to do some more business in the fu-
 ture.
 Yours truly,
 MRS. R. W. HATCH.

Dutchess de Nemours
 Peony—



PEONY MOUTAN (D)—Tree Peony.

A small tree-shaped shrub, which in May is covered with dozens of massive blooms; it presents a magnificent display. We have Cream, Crimson, Pink, Scarlet, Rose and Variegated.

Each 75c; strong plants \$1.00 to \$1.50 each

PEONY (D)—Double Herbaceous.

One of the most beautiful flowering plants, blooming in May and June. The new varieties are simply gorgeous. Once planted they increase in size and profusion of bloom. Most desirable and beautiful for hedges, groups or individual planting.

Single price is postpaid

Festiva Maxima.—One of the grandest varieties in existence. A beautiful pure white, sometimes tipped carmine on the center petals. Flower enormous in size, very full and double.

50c each; \$5.00 per dozen

Officinalis Rubra.—Flowers of a bright scarlet crimson; quite double and globular; very early, rare and fine.

Each 30c; dozen \$3.00

Officinalis Alba.—Early white.

Each 35c; dozen \$3.50

Officinalis Rosea.—Early, rosy pink.

Each 30c; dozen \$3.00

Couronne d'Or.—Large imbricated bloom, white reflexed yellow; center petals bordered carmine. A most distinct and striking variety.

Each 50c; dozen \$5.00

Duchesse de Nemours.—A superb ivory-white variety of our finest quality. Each 60c; dozen \$5.00
Edouard Andre.—Immense globular bloom of a deep crimson red, with metallic reflex; very brilliant golden yellow stamens, forming a striking contrast.

Each 50c; dozen \$5.00

Floral Beauty.—Quite early; a beautiful light pink, shading to cream in the center; very desirable.

Each 30c; dozen \$3.00

Queen Victoria.—A rosy white, with yellowish center. Quite free flowering.

Each 30c; \$3.00 per dozen

Peonia Tenuifolia fl. pl. (Fringed or Carrot Leaved.) Distinct; handsome divided foliage; flowers large, very double and of a deep blood-red; a dwarf, compact bloomer.

50c each; \$5.00 dozen

Festiva Alba.—One of the best medium early, pure white. Stands handling and shipping well.

Each 30c; dozen \$3.00

PERSIMMIN (D).

Highly prized for its delicious fruit.

Japanese.—Fruit large and oblong; color, bright red; ripens early in the fall. 3 to 4 feet 50c to 60c

PHILADELPHUS (D).—Mock Orange or Syringa. 3 to 4 feet 50c to 75c

PINE (E).

Austrian or Black Pine.—Robust, hardy and spreading; leaves long, stiff and dark green; growth rapid; the most valuable for this country. 2 to 3 ft. each \$1.50 to \$2.00

Ponderosa, Heavy Wooded Pine.—Perfectly hardy here; a rapid grower; leaves a dark green color. 2 to 3 ft. each \$1.50 to \$2.00

Umbrella Pine.—(See Sciadopitys, page 87.)

POPLAR (D).

These well-known trees are planted largely for windbreaks, ornamental purposes and street planting, although not desirable near cement walks
Carolina.—Vigorous growing variety; should be cut back to spread the head. 4 to 6 ft. each 50c; 7 to 9 ft. 60c to 75c

Special low prices in quantity.

Lombardy.—Very rapid, erect growing tree, with tall, spiral form. 50c to \$1.00 each

PRUNUS (D).

Among the most beautiful deciduous hardy shrubs of Japan are the flowering plums, peaches and cherries. Fine for small and large lawns. They flower profusely very early in the spring before the leaves appear; excellent for cutting.

Mume.—Fragrant and beautiful; very early.

Double White, Pink or Red, each 75c

Persia (Peach).—Beautiful, but not fragrant.

Double White, Pink or Red, each 75c

Cerasus (Cherry).—Exquisite flowers in May.

Double White, Pink or Red, each 75c

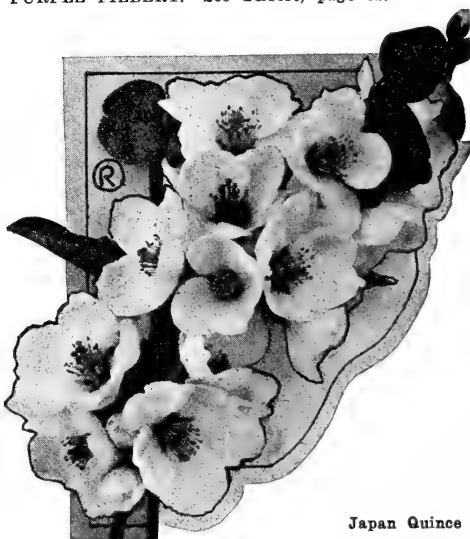
Pissardi.—The purple-leaved plum of Japan; growing into a shapely small tree of much merit. Covered in the spring with clouds of white flowers, followed by leaves, which turn a beautiful bronzy purple color, remaining beautiful a long time. Each 75c to \$1.00

PRIVET (Evergreen).

One of the best hedge plants; has small, pointed, evergreen leaves; grows rapidly and compactly; stands severe pruning, and can be kept in fine shape with little care. (See cut, page 85.)

1-year-old plants, 12 inches, each 4c; per 50, \$1.75
 per 100, \$3.00. 2-year-old plants, 1½ to 2 feet each 5c; per 50, \$3.50; per 100, \$6.00.

PURPLE FILBERT.—See Filbert, page 82.



Japan Quince

QUINCE (D)—Cydonia

Japonica (Japan Quince).—Popular shrub, which blooms profusely in early spring; flowers dazzling scarlet; makes an excellent hedge. Each 50c to 75c

Japonica Alba.—White flowers; same price.

PAEONY CLUMPS.—We can supply some very fine large 4-5 year old roots at \$1.00 to \$1.50 each. These will produce a dozen or more flowers the first season.

RHODODENDRONS (E).

This, wherever known, is universally acknowledged to be the most showy, magnificent, hardy evergreen shrub that grows. It will thrive in any good soil without any special preparation, and in the full blaze of the sun, but it is more luxuriant in good, well-prepared soil and in partial shade. The broad, thick, evergreen foliage, with its glossy richness, would alone entitle it to a place foremost in the rank of evergreen shrubs, but when, in May and June, this mass of luxuriant foliage is almost hidden by the magnificent array of beautiful flowers in all colors from white to purple, the effect is simply grand. We import from Holland the choicest and best named varieties.

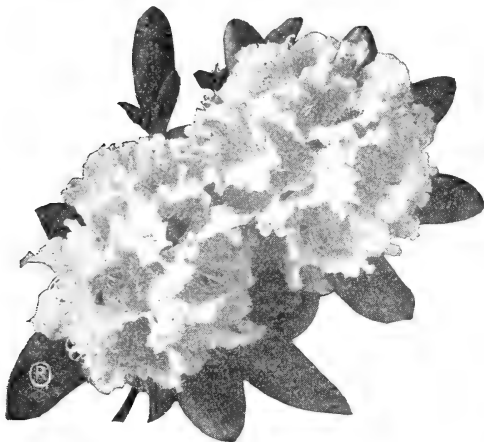
Good Plants. 1½ to 2 ft. each \$1.50

Choice Named Varieties.—Strong and bushy, well set with flower buds that will flower nicely the first year; your selection of colors in White, Pink, Rose, bright or dark Red, Lavender, Rosy Lilac or Purple. Each \$2.00, dozen \$20.00

Extra large specimen plants, \$3.00 to \$5.00 each.

Native.—This is the variety that grows wild in the mountains along this Coast. Flowers pink or rose.

Nursery-grown, each \$1.50



Rhododendron (Flowers one-fourth Size)

ROSE OF SHARON—See Althea

RETINOSPORA (E)

One of our most showy and graceful evergreens. There is a large class of Retinosporas, but the most popular are those of compact tufted character. Choice, well-shaped plants in Green or Golden, 1 to 2 feet. \$1.00 to \$2.50 and up

SCIADOPITYS (E)—Verticillata (Umbrella Pine).

A Japan evergreen, foliage needle-like, in whorls, dark green. Each \$1.50 to \$3.00

SCOTCH BROOM—(See Genista).

South Bend, Wash., April 17, 1911.

Routledge Seed & Floral Co.

Dear Sirs: I wished to let you know I received the Shrubs and Plants I ordered from you, and they are simply in beautiful condition. Also thank you for the lovely premium of Dahlia bulbs, which you sent me, as I did not have one, so I appreciate them very much.

Yours truly,

MRS. C. W. KUEHNER.

Ferndale, Wash., April 14, 1911.

Routledge Seed & Floral Co.

Gentlemen: I received my shrubs. All came in fine condition. Am so well pleased with the Hawthorn.

Respectfully,

MRS. P. J. TRACK.



RHODODENDRON PLANT.—

"Balled in earth." Can be moved any time from October to June.

SPRUCE (E)—Abies.

Excelsa (Norway Spruce).—One of our most popular evergreens. Very desirable for single specimens in the lawn and largely used for screens and wind breaks on account of its rapid growth. Foliage dark green.

Specimen plants, 75c to \$2.50 each; for hedges 20c to 60c according to size.

Fungens, Glauca-Kosteri (Colorado Blue).—A beautiful variety on account of its magnificent rich, silvery blue color. We offer only the "true blue" imported from Holland.

Small plants \$1.50 to \$2.00; 3 feet up \$5.00 to \$7.50



Colorado Blue Spruce (Kosteri)

Our prices are not the cheapest, but our stocks are of the HIGHEST quality. THAT MAKES THEM CHEAPEST IN THE END. Invest a little extra at planting time and you will be better satisfied.

SMOKE TREE—Rhus

Purple Fringe or Smoke Tree.—Much admired for its feathery inflorescences that cover the whole surface of the tree in midsummer.

Each 75c to \$1.00

White Fringe.—Has drooping racemes of pure white flowers; a superb lawn tree. Each 75c to \$1.00



Spirea Van Houtte

SPIREAS (D).

Graceful shrubs, every one should plant. They are of the easiest culture, and very desirable in collections, for they embrace such a range of foliage, color of flower and habit of growth.

Anthony Waterer.—Covered nearly the whole growing season with large umbels of deep crimson flowers. Each 50c to 75c

Prunifolia (Bridal Wreath).—Slender, erect ingrowing variety, bearing very early in the spring, small double white flowers the entire length of its branches; very graceful habit. Each 50c to 75c

Van Houtte.—The grandest of all the Spireas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing; perfectly hardy and an early bloomer. (See cut.)

Each 50c to 75c

Tunbergii.—Of graceful habit; the branches are slender and somewhat drooping; foliage yellowish-green; flowers small, white, appearing early. (See cut.) Each 50c to 75c

Billardii.—Produces fine, rose-colored flowers and blooms nearly all summer. (See cut.)

Each 60c to 75c



Spirea Thunbergii

Brush Prairie, Wash., December 9th, 1910.
Routledge Seed & Floral Co.

Gentlemen: Herewith please find my check for \$3.10 in payment for bill of Trees which was received in A. No. 1 condition. They were nicely packed.

Yours truly,

IRA G. BILLS.



Spirea Billardia (Flower Spike)

SUMAC (D)

Cut-Leaved Sumac (Rhus Glabra Laciniata).—A beautiful shrub, with large leaves, deeply and finely cut, and drooping graceful habit. Leaves assume a gorgeous crimson color in autumn. 75c to \$1.00

SYMPHORICARPUS (D)—Snowberry

Highly valued for use in densely shaded situations where little else will grow, and for the striking beauty of their bright, persistent fruits. 3 to 5 feet.

Racemosus (Snowberry).—Inconspicuous, rose colored flowers in June and July; followed by large, clustered, milk white fruits which remain far into the winter. 50c to 75c

Vulgaris (Indian Currant).—Similar to the Snowberry except that its fruits are red, and that the smaller red berries cluster in thick ropes about the weighed-down stems. 50 to 75c

THUYA.—See Arborvitae, page 80.

THUJA OBTUSA (E)

Fine specimens, 15 to 18 inches high, each \$3.00; per pair \$15.00.

TAMARIX (D)—Tamarisk.

Shrubs of light green, feathery foliage, thriving in light, sandy soil.

Africana.—Pink flowers.

Each 50c to 75c

TULIP TREE (D).

A rapid-growing tree, with rich, glossy foliage; flowers tulip-shape, greenish-yellow; a fine shade tree.

4 to 6 ft. each 75c; 6 to 8 ft. each 75c to \$1.00

TREE PEONY.—(See Peonies, page 86.)

DON'T

Be misled by the fine catalogs with little prices sent out from the East. Buy our field grown plants, much larger and better than the weakly Eastern stock. We know it!

VIBURNUM (D)—Snowball.

Sterilis (Common Snowball).—Blossoms in latter part of May. Flowers pure white, large balls, frequently borne in clusters. 3 to 4 ft. each 50c to 60c; 6 ft. 75c to \$1.00; extra choice plants \$1.50

Plicatum (Japanese Snowball).—One of the most charming hardy flowering shrubs in existence; bears great wreaths and clusters of pure white globular masses of flowers; covered with bloom for weeks in the spring; grows 4 to 6 feet high; entirely hardy.

2 to 3 ft., 60c to 75c; 3 to 4 ft., 75c to \$1.00
Viburnum Lantana (Wayfaring Tree).—White flowers in large dense cymes; fruits bright red, changing to a much darker shade with age.

Each 60c to 75c
Opulus (High Bush Cranberry).—Handsome and dense foliage; flowers white in drooping flat cymes followed by brilliant scarlet fruit in showy pendulous bunches that remain on the plant all winter. Each 60c to 75c

WILLOW (D)—Salix

Americana Pendula.—A low-spreading tree, with graceful, flexible, pendulous branches and fine foliage. This is also known as the Mountain Willow. Each 60c to \$1.00

Babylonica (Babylonian or Weeping Willow).—Foliage is bright green and has a weepy appearance. A well-known and graceful variety. Each 60c to \$1.00

Caprea Pendula (Kilmarnock Weeping Willow).—Very distinct and ornamental. Large, dark green leaves; branches droop to the ground. \$1.00 to \$2.50



Weigela (Flowers one-half Size)

WALNUTS (D).

American Black (Juglan). 4 to 6 ft. each 60c to 75c
English or French.—We have a fine lot of one and two-year-old trees (the best age to plant). These are nut-bearing, second-generation stock, and of the best varieties for this Coast.

Prices: 1 year, 30c each, \$2.50 per 10, \$22.50 per 100. 2 years 40c each, \$3.50 per 10, \$30.00 per 100. 2 years, 3 to 4 ft. 60c each, \$5.00 per 10 4 to 5 ft. 75c each; 6 to 8 ft. \$1.00 each

Write for our very low prices by the thousand.

WEIGELA (D).

No shrub in our large collection has attracted more attention. It is of robust but graceful growth, and produces immense numbers of superb, large, trumpet-shaped flowers in June and July. (See illustration above.)

Candida.—Beautiful white flowers; a continuous bloomer. Each 60c to 75c

Eva Rathke.—New. A remarkably free bloomer. Very distinct color, being a rich reddish purple, quite different from anything heretofore offered. Each 75c to \$1.50

Rosea.—Lovely large, rose-colored flowers, borne in such profusion that the whole bush appears a mass of rosy bloom. Each 60c to 75c

Rosea Variegata.—Leaves beautifully margined creamy white; handsome pink flowers in wonderful profusion. Each 60c to 75c

YEW (E)—Taxus.

English (Baccata).—Small tree of slow growth and very bushy head, branched and thickly covered with somber green leaves; can be trimmed into any shape. 1 ft. up \$1.00 to \$3.00

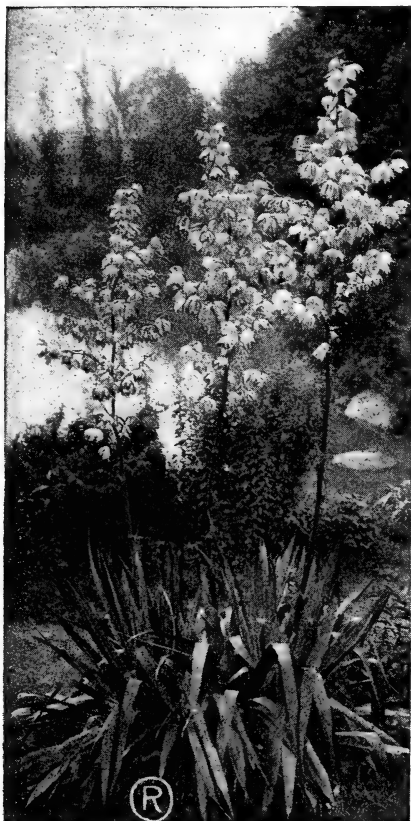
Irish (Hibernica).—Peculiarly upright in growth; foliage dark. 1 ft. up \$1.00 to \$3.00

Irish Golden.—Leaves green in the center and margined with yellow. 1 ft. up \$1.00 to \$3.00

Japanese Cuspidata (Pointed Yew).—Japanese variety of dense, bushy habit and dark green foliage. 1 foot up, \$1.00 to \$3.00

YUCCA (E)—Adam's Needle.

Filamentosa.—A beautiful flowering evergreen; foliage long, narrow and pointed; white bell-shaped flower, produced in July on long stems. See illustration showing flower spikes. Each 50c to \$1.50



Yucca

Vancouver, Wash., December 4th, 1910.
Routledge Seed & Floral Co.

Gentlemen: Have received Trees ordered November 8th and am well pleased with them. Please send me your catalog, and oblige,

Yours truly,

J. PETERSON.

Salem, Ore., April 6th, 1911.

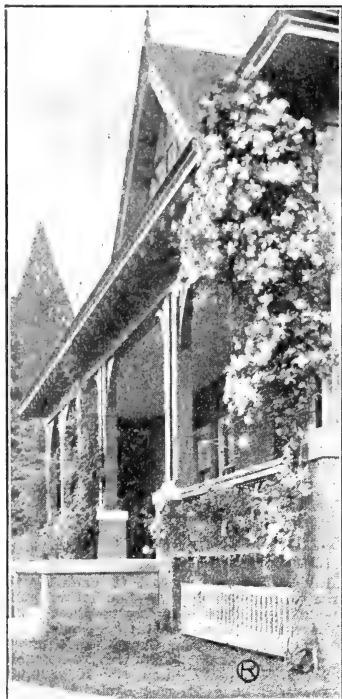
Routledge Seed & Floral Co.

Gentlemen: Bundle of plants received in good condition. I find on opening them fine large plants and am much pleased with them.

Wishing you success, I am, yours,

MRS. J. A. RULIFSON.

HARDY CLIMBING AND TRAILING VINES



Large Flowered Clematis

CLEMATIS.

Paniculata (New Sweet-Scented Japan Clematis).—A vine of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy, green foliage. The flowers are of small size, pure white, borne on immense shoots, and of a most delicious and penetrating fragrance.

Small plants, 25c; strong 2 to 4 year old plants, 35c to 75c each.

Large-Flowered.—These bear large and beautiful flowers of various shades of color through the greater part of the summer and fall. They should have a rich, loamy soil. They do much better than roses on the north side of a house. The following varieties are the very best and our plants are all two years old.

Henryi.—Fine, large, creamy white flowers.

Jackmanii.—Intense violet purple; most popular variety.

Ville de Lyon.—The best bright red; equal to Jackmanii.

Lawsoniana.—The best light blue or lavender.

Duchess of Edinburgh.—A free-flowering double white variety; very fragrant.

AMPHELOPSIS.

Veitchii.—The leaves of this beautiful climber, resembling in shape the English Ivy, overlapping each other closely, are of a bright green color, changing in the fall to the most vivid autumn tints, gold, purple and scarlet, remaining so a long time before they drop.

Quinquifolia.—The well-known Virginia Creeper. A vine of rapid growth, with large, luxuriant foliage, which in the fall takes on the most gorgeous coloring.

2 year, 35c extra; large 3 and 4 year, 50c to 75c

BIGNONIA. (See Tecoma below.)

DUTCHMAN'S PIPE (Aristolochia Sepho).

A strong, rapid growing vine with handsome light green leaves. It will give a quick, dense shade, and is much used on arbors and trellises. The brown flowers are shaped like the bowl of a pipe. Large plants. Each 75c to \$1.00

HONEYSUCKLE.

A beautiful climber, rapid grower and very desirable; flowers very fragrant, and produced in great profusion.

Halleana.—Most popular; almost evergreen; profuse bloomer; flowers buff-yellow, passing to white; deliciously sweet.

Belgica (Monthly Fragrant).—Flowers large and very fragrant; color red and yellow. Strong 2-year. Each 50c to 75c

Sempervirens (Scarlet Trumpet Honeysuckle).—Trumpet-shaped flowers of bright scarlet. Strong 2-year. 50c to 75c

Variegated (Reticulata Aurea).—Handsome foliage, netted and spotted bright yellow. Each 50c to 75c

HYDRANGEA SCANDENS.

Very ornamental, woody vine, with white unbel flowers. Each 75c

IVY.

Common English.—Thick, leathery, evergreen leaves; strong grower. Good roots each 25c, \$2.00 dozen

JASMINE.

Nudiflorum.—A handsome climber, with fragrant golden yellow flowers. Each 50c to 60c

Officinale.—Fragrant white flowers. Each 50c to 60c

KUDZU, THE FAMOUS CHINESE VINE.

Jack-and-the-Bean-Stalk Vine (Pueraria Thunbergiana).—Foliage large, affording dense shade; bears small racemes of rosy purple blossoms in August. The most remarkable rapid-growing vine in existence. 25c each, 3 for 60c

PASSION VINE.—Very beautiful flowers. Each, 50c

TECOMA (D).—Trumpet Vine, Begonia.

Grandiflora.—Flowers large, orange red; beautiful; excellent climbers. Each 50c to 75c

Radicans (Common Trumpet Vine).—A splendid climbing vine, with large, brilliant orange-scarlet flowers in July and August. Each 50c to 75c

VINCA.—Periwinkle. See page 63.

VIRGINIA CREEPER.—See Ampelopsis above.

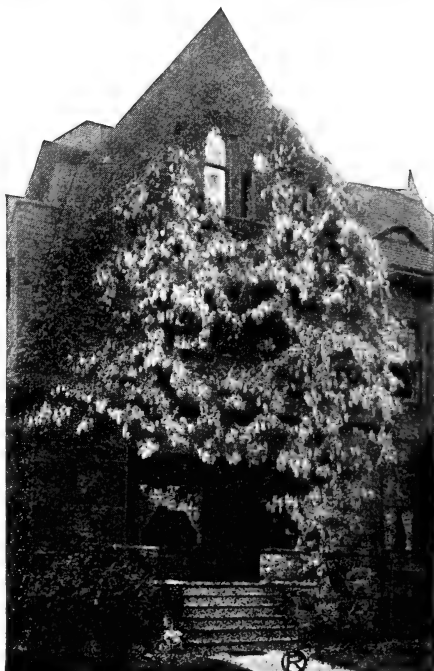
WISTERIA.

A rapid, hardy climber, that will grow to a height of 50 feet or more. The fine foliage and flowers are produced early in the season, and come in magnificent clusters. Prices, following varieties: Strong 2-year-old plants 50c to 75c each; imported, 4 to 5-year balled plants, will flower first year, \$1.50 to \$2.50.

Sinensis Blue or White.—Lovely long panicles of flowers, produced in the most wonderful profusion.

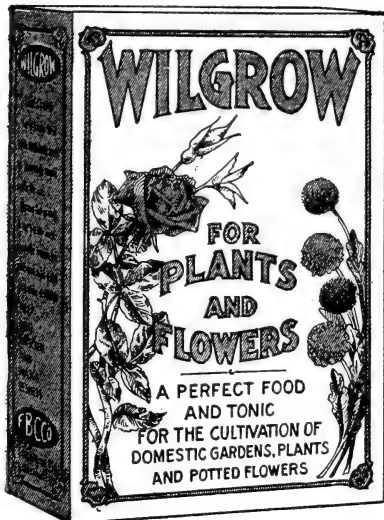
Multijuga.—This valuable new Wisteria was introduced from Japan, and produces magnificent racemes of lovely purple flowers, often measuring 15 inches in length.

Multijuga Alba.—Like the preceding; best pure white.



Wisteria Vine in Bloom

FERTILIZERS FOR ALL CROPS AND PLANTS



Wilgrow

The Best and most satisfactory fertilizer we ever sold. All plant life is benefited by its use.

Wilgrow is a perfect and highly concentrated fertilizer, made principally from WHALE product, and prepared especially for vegetable or flower garden, fruit trees or bushes, roses and shrubs, lawns, palms, hothouse and potted plants.

THE ADVANTAGES OF WILGROW.

Just the Fertilizer for the City Gardener.

It is a concentrated fertilizer, put up in small packages, thereby making its distribution a cheap and easy matter. Being a concentrated fertilizer, only a very small amount is required to produce the largest yield. (See general directions below.) There's no use of your paying dray and freight charges on bulky fertilizers containing three-fourths sand, ash or dirt filler. Wilgrow is the pure "dope"—clean and easy to apply. We guarantee it to give results.

The small amount of WILGROW required reduces the expense of fertilizing to about one-half the cost of manure or the average commercial fertilizers on the market.

WILGROW

Contains no weed seed. Keeps the bugs away.

The Nitrogen and Phosphoric Acid in Wilgrow do not exist in a form immediately soluble in water, therefore neither the seepage of rain or irrigating water carry these elements away quickly. On the other hand, they remain in the ground and are only given up as they are needed by the plants.

GENERAL DIRECTIONS.—When planting in drills, sprinkle Wilgrow lightly in the drills at the rate of one heaping teaspoonful to each running foot; mix well with the soil and plant according to usual directions.

When planting in hills, use one tablespoonful of Wilgrow to the hill, mixing thoroughly with the soil.

When preparing soil for strawberry and other plants, use one teaspoonful of Wilgrow, mixed thoroughly with the soil, for each plant. An occasional light application during the growing season will be a great benefit.

For Potted Plants and Window Gardens, the soil should be well sifted and a teaspoonful of Wilgrow added to every two quarts of soil and thoroughly mixed.

PUT UP IN FOLLOWING SIZES ONLY

1½-LB. PAPER BOX, PRICE, 25c; POSTPAID, 50c; 10-LB. PACKAGE, \$1.00 25-LB. BAGS, \$2.00

A 25-lb. bag of "Wilgrow" is equal to 150 lbs. of most fertilizers.

Fertilizers in Bulk

For the city gardener, we say, "Use Wilgrow by all means." We list the following for those who have large acreage to cover and want to prepare their own fertilizers:

PURE PULVERIZED SHEEP MANURE.—A pure, natural and nutritious manure. Immediate and lasting in effect. Excellent for mixing with the soil for greenhouse plants or flower beds. In the vegetable garden it promotes a rapid, steady growth until maturity. It makes a rich liquid manure.

Quantity Required.—For garden and field crops, 1 to 2 tons per acre—½ before plowing, the balance before harrowing. For top-dressing grass, use 1 ton per acre, applied in fall or early spring.
Price: 10 lbs. 25c; 50 lbs. 1.25; 100-lb. bag \$2.50; low price per ton.

HIGH-GRADE BONE MEAL.—This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter-houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies.

Quantity Required.—For permanent pasture and mowing lands one-half to one ton per acre; for trees and vines, 2 to 4 quarts each; for plants and rose beds, 10 pounds to 100 square feet; for starting a new lawn, as a base, 3 to 5 pounds per 100 square feet.
Price: 5 lbs. 30c; 10 lbs. 50c; 50 lbs. \$1.50; 100 lbs. \$2.50; 1000 lbs. \$20.00.

BLOOD MEAL.—One of the quickest acting fertilizers, being immediately soluble. Of special value. Rich in nitrogen. One pound to 10 square feet of space.
Price: 1b. 10c; 5 lbs. 40c; 10 lbs. 60c; 25 lbs. \$1.25; 100 lbs. \$4.00.

LAND PLASTER.—Used largely on grass and clover crops. Not sold in less than 100-lb. sacks. City delivering extra.
Price: 100 lbs. \$1.00; 500 lbs. \$4.00; 1000 lbs. \$7.50; ton \$14.00.

MURIATE OF POTASH.—One of the best orchard fertilizers known, and used largely for fruit stocks.
Price: 1b. 10c; 10 lbs. 50c; 50 lbs. \$2.00; 100 lbs. \$3.25; original sacks, 224 lbs., \$6.50.

SULPHATE OF POTASH.—A desirable form of potash, especially valuable for potatoes and any root crops, such as beets, turnips, etc., also cabbage, etc. Use 50 to 400 lbs. per acre.
Price: 1b. 10c; 10 lbs. 50c; 50 lbs. \$2.25; 100 lbs. \$3.50; 224-lb. sacks \$7.25.

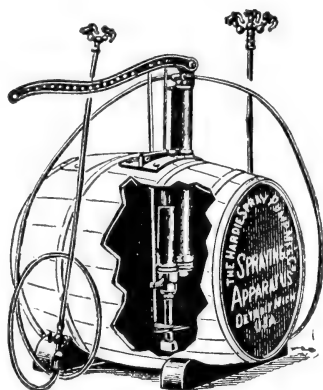
NITRATE OF SODA.—A fertilizer for all crops. It is very quick in action, and hastens maturity of crops fully two weeks. Being quickly soluble, it should not be applied until the plants are above ground. Use 100 to 200 pounds per acre as a top dressing on vegetables, such as celery, tomatoes, cucumbers, lettuce, etc.
Price: 1b. 10c; 5 lbs. 40c; 25 lbs. \$1.25; 100 lbs. \$3.50.

SUPERPHOSPHATE.—This is a concentrated form of phosphoric acid, and it is actually the cheapest form in which to buy phosphoric acid.
Price: Per lb. 10c; 5 lbs. 40c; 50 lbs. \$1.50; 100 lbs. \$2.50.

You must feed your plants and trees if you want to get the best and most profitable crops.

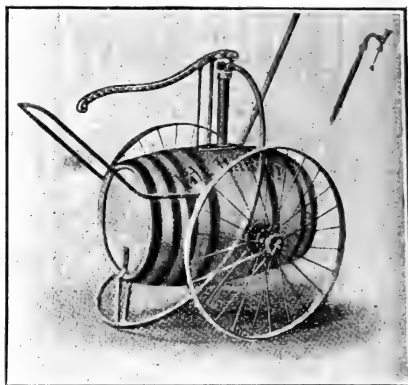
SPRAY PUMPS AND SPRAYERS

We can supply nearly twenty different styles, from a light hand pump to the large, powerful power outfits.
FEW SPRAY PUMPS EQUAL AND NONE BETTER THAN WHAT WE OFFER



Guaranteed to do the work claimed or your money back.

For Full Information and Descriptions Send for Our 50-Page Descriptive Spray Pump Catalog



Hardie Barrel Pump, Mounted, No. 6
 See Outfit No. 17.

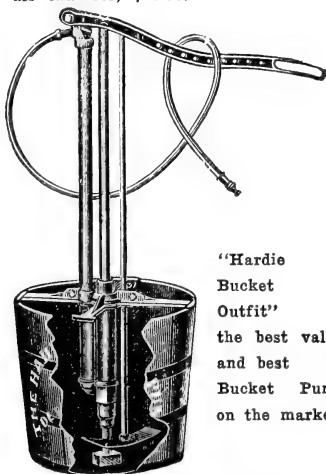
Hardie Wheel Outfit No. 21

HARDIE SPRAY PUMPS—"The Sprayer With the Trouble Left Out"

The illustration above shows one of our No. 6 pumps mounted on a barrel. This manner of mounting the pump on the side of the barrel has many advantages. It sits low down, and is not in the way of low branches; there is no danger of tipping over, and the pump is in the deepest part of the barrel and ALL the liquid can be pumped out. A filler door is hinged near one end, and a suitable strainer is furnished with each barrel. Our pumps Nos. 4½, 5, 6 and 7 are made to fit a barrel this way, and are sold either with or without barrel.

NO. 6 HARDIE BARREL PUMP.—Fitted for two lines of hose; will supply from four to six nozzles; inside diameter of plunger tube 2 inches; stroke of plunger from 4½ to 5 inches; when operated at the rate of 30 strokes per minute will convert into a fine spray 120 gallons of liquid per hour. Furnished with flat plates for end of barrel or flat top tank, if so ordered, without extra cost. Price with iron air chamber, \$10.00; with brass air chamber, \$12.00.

NO. 7 HARDIE BARREL PUMP.—Fitted for two lines of hose; will supply six to eight nozzles; inside diameter of plunger tube 2½ inches; stroke of plunger 4½ to 5 inches; when operated at the rate of 30 strokes per minute will convert into a fine spray 240 gallons of liquid per hour. This pump is furnished with either round plates to fit side of barrel or flat plates for top of barrel. Price, with iron air chamber, \$13.00; with brass air chamber, \$14.50.



"Hardie
 Bucket
 Outfit"

the best value
 and best

Bucket Pump
 on the market.

THE "HARDIE" BARREL OUTFITS

We can make up any outfit wanted, so we leave it to our customers to say what they want. Figure as follows: First, the price of pump; second, bamboo extension rod; third, ½-inch spray hose wanted (any length), at 15c per foot. (Note.—We will furnish one single Vermorel or Bordeaux nozzle with each outfit free.) Fifth, if you want pump mounted on a No. 1 hardwood barrel, add \$3.00 more.

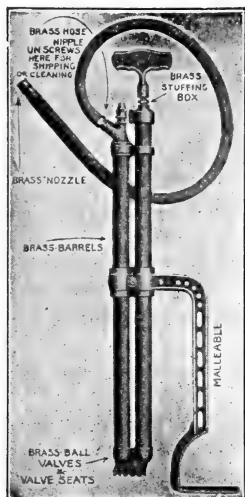
OUR SPECIAL OUTFIT NO. 17.—One No. 6 all-brass pump, mounted on barrel, one 15-ft. lead best ½-inch hose, one 10-ft. bamboo extension rod with stopcock and drip guard, one 2-cluster Vermorel nozzle, all complete and ready for work; price \$18.50; mounted on barrel \$21.00; extra lead of hose, extension and nozzle, \$5.00 extra.

OUR SPECIAL OUTFIT NO. 21.—(See cut.) This outfit is designed to meet a long-felt want by the small fruitgrower and gardener. The 30-gallon barrel is mounted on strong wrought-iron wheels, 26 inches in diameter, with 1½-inch tires. No. 5 pump, 5 feet best hose and couplings, 8-foot bamboo rod and leakless stopcock, 1 Vermorel nozzle. Price \$22.00.

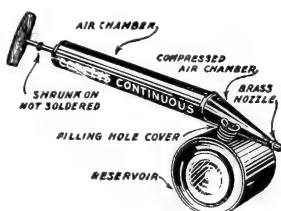
THE HARDIE ALL-BRASS LEVER BUCKET PUMP.—This pump (see cut) is a high-grade, all-brass bucket pump, especially designed to meet the long-felt want in this line. It is the only bucket pump on the market that has a mechanical agitator, and that is so designed as to always stand in position in the center of the bucket. It can readily be detached from the bucket by unscrewing a nut on the spider. This new device for holding the pump firmly in place in the center of the bucket enables the operator to carry the whole outfit with one hand. Our pump, as well as being held firmly in the center of the bucket, has a mechanical agitator, passing directly in front of the strainer at every stroke of the handle, as shown in cut. It should be remembered that it is just as necessary to have the liquid in a bucket well agitated as that in a barrel. This is the only bucket pump in the market that is giving entire satisfaction. It is capable of developing a 200-pound pressure, and maintaining a 100-pound pressure while spraying with 35 strokes to the minute, and will discharge 30 gallons of liquid per hour.

THE HARDIE BUCKET OUTFIT NO. 10.—Includes No. 4 Pump, one 5-gallon heavy wooden bucket, three feet best ½-inch hose, one spraying lance 18 inches long, one spraying nozzle. It is designed for low spraying. Price \$7.00. To reach the tops of tall trees, you should order, extra, an extension rod and about 10 feet of hose. For price of rods and hose, page 94.

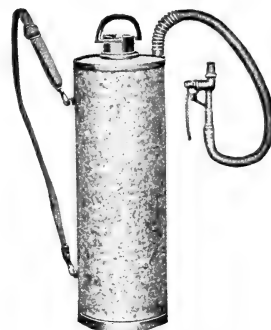
In the HARDIE SPRAYERS all working parts are brass. Perfect agitation of the spray mixture is secured by a mechanical agitator, which works with each stroke of the handle (notice cut carefully). The construction is simple. The pump can be repacked or plunger tightened easily and quickly. No pipe wrench needed. All the valves are round, hard brass balls.



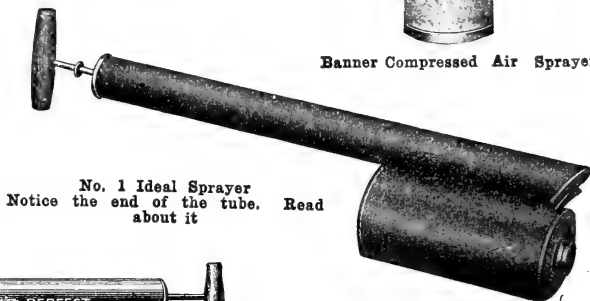
O. K. Brass Bucket Pump



O. K. Continuous Hand Sprayer



Banner Compressed Air Sprayer



No. 1 Ideal Sprayer
Notice the end of the tube. Read about it



No. 7 Perfect

O. K. BRASS BUCKET PUMP.—(See cut.) Constructed entirely of brass. It is furnished with three feet of best quality rubber hose, detachable; malleable iron stirrup, three interchangeable brass nozzles, which throw a fine mist, coarse spray or stream 50 feet high. Pump is provided with large air chamber, with brass ball valves and valve seats. Throws a continuous spray; neat in appearance as well as durable in construction. Much superior to pumps of this class offered heretofore. Price \$3.00

O. K. CONTINUOUS SPRAYER.—A new compressed air hand sprayer of merit; the new style for 1912 is larger and greatly improved. A few strokes of the plunger will produce a continuous spray, enabling one to work three times as fast as with the ordinary hand sprayer. Nothing to get out of order. (See cut.) Price: Tin, 80c; Galvanized, \$1.00; Brass, \$1.50

NO. 1 IDEAL SPRAYER.—Our No. 1 Sprayer is a very handy sprayer, and is provided with slanting air chamber, as shown in cut, which enables the operator to spray up (under the leaves on low bushes) or down or in any direction desired, which is necessary in many cases. It has two brass tubes extending into the reservoir, and gives a fine mist spray. Reservoir holds about one quart. Each, tin, 75c; brass, \$1.00

NO. 7 PERFECT SPRAYER.—This has a 1½-inch air chamber, and the reservoir holds about one quart. It has a single brass tube extending into the reservoir, and therefore throws the spray straight ahead, although it will spray in any direction desired. A good, all-around sprayer for general use. Each 50c; charges prepaid 75c

THE "LIGHTNING" WHITEWASH SPRAYER.—Made especially for spraying whitewash without clogging, and it will do better work than can be done with a brush, as the force with which the material is applied causes it to penetrate the small crevices, thus making a complete and perfect job, and the work can be done ten times as quick, more

HANDY CARTS—If interested in a good barrel or a low platform cart send for pamphlet.

thoroughly and a great deal neater. Descriptive circular on request. Send for descriptive pamphlet. No. 28.—Galvanized Iron \$2.50; Brass \$3.00.

BANNER COMPRESSED AIR SPRAYER.—A Perfect Sprayer in Every Way.—(See cut.) We sell the best and latest improved sprayer of this style on the market. The pressure in this sprayer is developed by an air pump. The tank holds four gallons—three gallons of solution and one gallon of compressed air. The pressure is raised by a few strokes of the air pump, which is sufficient to make it discharge a spray for eight or ten minutes. The sprayer is carried over the shoulder by a shoulder strap, and is a most convenient style of sprayer for small plants and vines and field crops. The machine is very strongly made, both in heavy rolled brass or galvanized iron. We recommend the brass machines as being the cheaper in the end, as they are non-corrosive, and will last a lifetime. These sprayers are fitted with the latest improved adjustable nozzles. Price: Galvanized Iron \$5.50; Solid Brass \$7.00; 3-foot Brass Extension Rods extra, each 60c.

POWDER SPRAYERS OR BLOWERS

These are used for applying Sulphur, Bug Death, Dry Bordeaux or powder of any kind.

NO. 12.—An inexpensive but good sprayer, made of tin and painted red, holds about 1 quart of powder. Price 75c

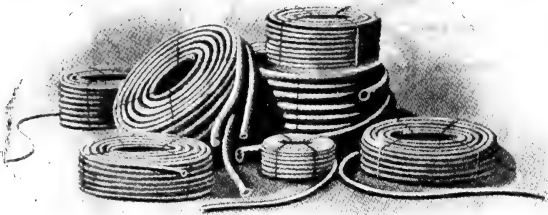
ACME NO. 1.—Strong and well made. Two wooden handles are attached to the bellows, funnel shaped discharge nozzle. Extra value \$1.00

ACME NO. 2.—Extra large and strong. A continuous sprayer. The best sprayer of its kind on the market; throws the powder in fine clouds. Each \$1.75

For small insect, one-hand powder guns, see poultry supplies, page 107.

Power Sprayers, Nozzles, Attachments, etc., fully described in our 50-page Spray Pump Catalog. Don't buy an outfit without investigating the merits of our Spray Pumps.

HOSE NOZZLES, SPRINKLERS, EXTRAS, ETC.



Garden and Spray Hose.

SPRAY NOZZLES.

Single Bordeaux (Best for Whitewash)	.....\$0.75
Double Bordeaux	.....1.50
Single Vermorel (Very Fine Spray)	......75
Two-Cluster Vermorel	.....1.50

GARDEN HOSE NOZZLES

No. 31—Diamond Nozzle.—Best for sprinkling; adjustable from solid stream to a fine spray.	
Each 50c; postpaid 60c	

HARDIE BAMBOO EXTENSIONS

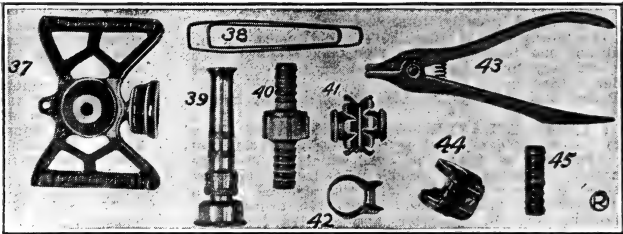
These have seamless aluminum tubing, leakless stop-cock, drip guard, lance and brass connections at each end.
Price: 6-foot \$2.25; 8-foot \$2.50; 10-foot \$2.75; 12-foot \$3.00. These are the lightest and best Extension Rods ever offered, and well worth the difference in price.

EXTENSION RODS—Ordinary

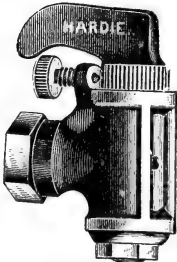
	Bamboo	Iron
6-foot	.....\$1.35	.....\$1.00
8-foot	.....1.50	.....1.10
10-foot	.....1.65	.....1.20
12-foot	.....1.80	



Pluvius Sprinkler



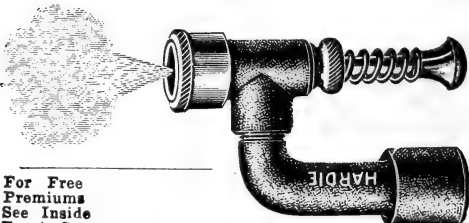
Bamboo Extension with "Lance" Attached



Bordeaux Spray Nozzle



Busy Sprinkler



Vermorel Nozzle

HOSE

We carry a good line of high-grade hose for spray pumps and garden purposes. We advise our customers to buy the best grade always.

SPECIAL SPRAY HOSE.—The highest grade spray hose made; guaranteed complete. Price, 1/2-inch, 25c foot

HIPPO (Non-Kinkable).— Guaranteed This hose gives excellent satisfaction. Good enough for any ordinary spraying outfit, and by far the best hose for florists' or gardeners' use. We have this on 500-foot reels, and cut any length wanted. Price, 1/2-in. 15c; 3/4-in. 18c

Following Hose in 25 or 50-foot lengths only, coupled:

ANVILL

The best low-priced garden hose on the market. 1/2-in. 9c; 3/4-in. 10c

No. 40—Hose Connections. 1/2-in. or 3/4-in. 25c pair
Snap Hose Coupling.—New automatic device of real value. Complete 50c

Hose Washers. 10c dozen

No. 45—Brass Mender Tubes. 1/2-in. or 3/4-in. 5c each, 50c dozen

No. 42—Hose Clamps. 1/2-in. or 3/4-in. 5c each, 50c dozen

No. 44—Hose Clamps.—Double. 1/2-in. or 3/4-in. 10c each, \$1.00 dozen

No. 38—Wire Hose Straps. 1/2-in. or 3/4-in. 2c each, 25c dozen

No. 41—Dandy Hose Mender.—Best mender made, simple and quick; nothing to catch. 1/2-in. 25c, 3/4-in. 35c 25c each

No. 43—Wire Hose Pliers.

LAWN SPRINKLER.

Pluvius Lawn Sprinkler.—(See cut.) \$1.35 each

Monarch or Midget.—Same style as above, only lower. \$1.15 each

Busy Lawn Sprinkler.—(See cut.) \$1.00 each

Fountain Sprinkler.—(Circular, brass.) \$1.00 each

Little Wonder.—(See cut No. 37.) Good; covers 20 feet. 40c each

CARTS—If you are interested in a barrel or platform cart write for descriptive pamphlet.

SPRAYS, INSECTICIDES, ETC.

Space in this catalog will not permit us to fully describe our line of Sprays, etc., but we will gladly mail interesting and descriptive booklets and pamphlets free on request.

SCALE DESTROYER ("Target Brand").—An oil spray of decided merit. Has many advantages over lime and sulphur. Use one gallon to 20 of water, after the leaves are off and up to time buds appear. For summer spray use one gallon to 100 gallons of water. Booklet tells why it is more effective and better to use than the disagreeable lime and sulphur.
Price: Pt. 25c; qt. 35c; gallon \$1.00; 5-gal. \$3.75; 10-gal. \$7.50. Write for price per barrel.

BORDEAUX MIXTURE (Liquid).—Very effectual in preventing and checking all fungous diseases, blight, rust and mildew. One gallon to 50 gallons of water. Full directions on can.
Quart 60c; gallon \$1.25

QUICK BORDEAUX ("Target Brand", powder form).—The best Bordeaux on the market. One lb. to 10 gallons of water.
This is excellent to sprinkle in powder form under the rose bushes to prevent mildew.
Per lb. 15c; 5 lbs. 70c; 10 lbs. \$1.00

ARSENATE OF LEAD.—An effective destroyer of leaf-eating insects. One pound to 17 gallons of water.
1 lb. 35c; 2-lb. can 50c; 5-lb. \$1.00; 10-lb. \$1.90; write for quantity price.

LIME AND SULPHUR SOLUTION.—Known and used everywhere. Is one of the best sprays for San Jose scale. One gallon to 11 gallons of water.
Price: qt. 25c; 1-gal. 60c; 5-gal. \$1.90; 10-gal. \$3.60. Write for price per barrel.

KEROSENE EMULSION.—Not injurious to foliage and a sure remedy for lice and most soft-bodied insects. Kills by contact. Quart 80c; gallon \$1.50

WEED KILLER ("Target Brand").—Guaranteed to destroy weeds, grass, poison ivy and all undesirable vegetation. One gallon to 50 gallons of water.
Price: pint 40c; quart 60c; gallon \$1.25; 5-gal. \$6.00. Write for price per barrel.

BLUE LABEL SLUG DESTROYER.—This is the first powder of its kind that we ever found to positively kill slugs and keep them away from young plants. Full directions on each package. Put up in 25c, 50c and \$1.00 packages; 25c packages, postpaid, 35c

NICO-FUME LIQUID.—Used extensively by our best florists for spraying or vaporizing in green houses, for aphids, spider, thrip, etc. Claimed to be better and cheaper than Nicotidine, Rose-Leaf, To-Bak-Ine, Etc. Prices: Small can 75c; pt. \$1.50; gal. \$10.50

NICO-FUME PAPER.—This is a paper treated with nicotine, giving off dense fumes of strong nicotine when ignited. Preferred by many who do not wish to spray or vaporize. Price: Can of 24 sheets 75c; 144 sheets \$3.50; 288 sheets \$6.50.

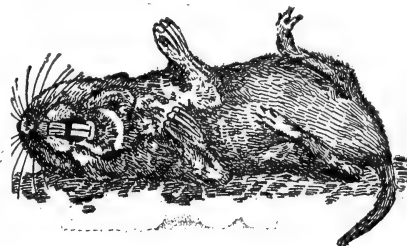
BLACK LEAF "40".—A concentrated solution of nicotine sulphate containing 40 per cent nicotine. Indorsed by the foremost experts of the U. S., for curl leaf, green and woolly aphids, trips, plant lice, codling moth, pear psylla and all leaf-eating insects. Descriptive pamphlet on request.
Prices: ¼-lb. can 85c, makes 47 gals. spray; 2½-lb. can \$3.25, makes 240 gals.; 10½-lb. can \$12.50, makes 1000 gals.



BUG DEATH (non-poisonous).—A most effective powder that kills the squash, cucumber and cabbage bugs, currant worm and all bugs and worms that eat the leaves of plants or vines. Can be applied dry, or mixed with water and sprayed.
Lb. 15c; 5-lb. 65c

Send for pamphlet "Bug Death" which gives full information.

Pat. Mar. 16 & Nov. 9, 1897
Bug Death.



Gopher-Go kills Gophers, Moles, Squirrels.

GOPHER-GO.—In Gopher-Go we have at last something that is very successful. This preparation is very readily eaten by the gopher, and kills him within five minutes. It only requires that a few of the pellets (Gopher-Go) be put down a fresh hole or runway, and in a great majority of cases they are very soon eaten by the gopher. There are about 150 of these pellets in a 50c can. Full directions are on each can.
¼-lb. can 25c, postpaid 35c; 1-lb. can 50c, postpaid 70c; 3-lb. can \$1.00.

Bridal Veil, Ore., April 15, 1911.
Routledge Seed & Floral Co.
Gentlemen: Received the "Gopher-Go," which I placed in grey squirrel dens on March 20th, and five days later I picked up eleven grey squirrels, and the stench at the entrance of the dens gave evidence of many more dead squirrels under the surface.

This "Gopher-Go" is the real dope.
The squirrels will think a plague has struck them in this section of the country.
Yours truly,
HENRY W. LONG.



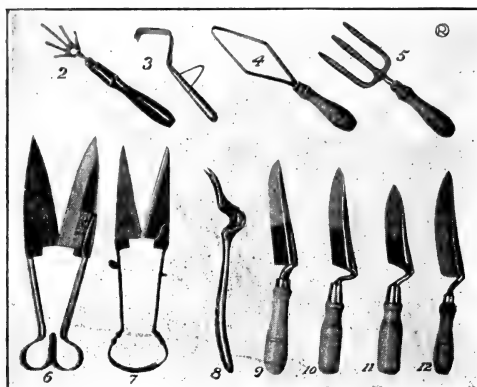
RAT TERROR.—Rats disappear almost instantly after a thorough application of "Rat Terror." By placing it in their holes, and wherever they are likely to run it will quickly rid your premises of rats and mice. This powder is so irritating to their sensitive smell that they cannot endure it; one good whiff drives them helter skelter from the place, never to return.

Rat Terror is a powder—simple to use—easy to handle. No mussy paste to mix, no fussing—no poison to kill pets or endanger the lives of children.
Price: 5-oz. pkg. 15c, by mail 20c; 15-oz. 35c, by mail 50c; large can by freight or express 50c.

Pendleton, Ore., June 5, 1911.
Routledge Seed & Floral Co.
Gentlemen: That Rat Terror is surely a terror to rats; they disappear like magic.
NEAGLE BROS.

GRAFTING WAX. ¼-lb. 10c; postpaid 15c
QUASSIA CHIPS.—Generally used with Whale Oil Soap for lice, etc. 1-lb. 10c; postpaid 30c
SULPHUR POWDER. Lb. 10c; 100 lbs. market price
SULPHUR CANDLES. Each 10c; postpaid 15c
WHALE OIL SOAP.—For aphids, plant lice, etc. 1-lb. 10c, postpaid 30c; 10-lb. 85c
BLUESTONE (Vitriol). Lb. 15c; per 100 lbs. market price
TOBACCO DUST.—Valuable as an insecticide and fertilizer. Sure preventive for green, fly and better as a mulch than the stems. Lb. 10c, postpaid 30c; 10-lb. 75c
TOBACCO STEMS. Lb. 5c; per 100 lbs. \$3.00

GARDEN TOOLS AND SUPPLIES—Continued.



Weeders.

- | | |
|----------------------------------|----------|
| No. 2—Excelsior.—Five claws | Postpaid |
| 3—Langa.—Very handy and popular | 20c |
| 4—Diamond.—Fine for small plants | 25c |
| 5—Fork.—Fine for light digging | 25c |
| 8—Vaughns Dandelion Puller.—Good | 60c |

Grass Shears.

- | | |
|--|--------|
| No. 6—B B A.—6½-inch; very highest grade | \$1.75 |
| postpaid | \$2.04 |
| 7—460.—5½-inch blade; good value | 40c |
| postpaid | 85c |

Trowels.

- | | |
|---|-----|
| No. 9—Solid steel; 6-inch blade and shank | 35c |
| postpaid | 50c |
| 10—Best and strongest; all steel; 6-inch | 50c |
| postpaid | 65c |
| 11—Same as No. 10, only 5-inch blade | 40c |
| postpaid | 50c |
| 12—Best low-priced; 6-inch blade | 15c |
| postpaid | 25c |
| —Maynard.—6-inch; highest grade | 60c |
| postpaid | 75c |

Pruning Shears.

- | | |
|--|--------|
| No. 36—6-inch, nickel plated, spiral spring; best for rose bushes or light pruning | \$1.00 |
| postpaid | \$1.15 |
| 31—9-inch, bright finish, polished blade; good for hard service | \$1.00 |
| postpaid | \$1.15 |
| 32—9-inch, same as 31, only black finish | 75c |
| postpaid | 90c |
| 30—9-inch, full polish, double brass spring | \$1.50 |
| postpaid | \$1.70 |
| R-85—9-inch, Swiss, full polish, with extra blade; very fine steel, spiral spring, ratchet nut | \$1.75 |
| postpaid | \$2.00 |
| D-7—7-inch, nickel plated, spiral spring; light but strong | \$1.35 |
| postpaid | \$1.50 |
| 33—Black, with polished blade; best cheap shear | 35c |
| postpaid | 60c |
| 34—7-inch, Levin new style; good cheap shear | 50c |
| postpaid | 65c |
| 35—Extra spiral springs | 15c |

Pruning Saws.

- | | |
|-------------------------------------|--------|
| No. 46—Duplex; double edge; 16-inch | 75c |
| 18-inch | 80c |
| California; curved blade, 16-inch | 75c |
| 18-inch | \$1.00 |

Branch Shears.

- Something everyone with a few trees should have; cut easy and are most durable. (See cuts.)
- | | |
|---|--------|
| No. 43—Clyde.—Best cheap shear. 20-in. handle | \$1.00 |
| 22-in. | \$1.25 |
| 50—Fesno.—Long pointed blades of best steel; hardwood handles. 20-in. handle | \$1.25 |
| 26-in. | \$1.50 |
| 49—Red Clipper.—Draw cut with best tool steel blade; hook and shank held together with bolt and lock nut; hard maple handles; best for heavy work; cuts easy. 22-in. handle | \$1.75 |
| 24-in. | \$2.00 |
| 47—Hedge Shears.—9-inch, high grade steel blades | \$1.75 |

Tree Pruners.

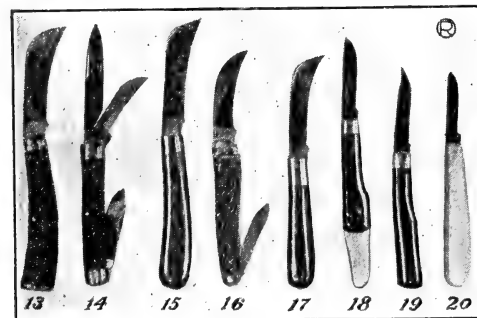
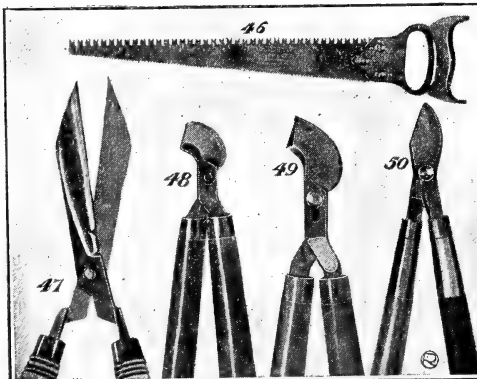
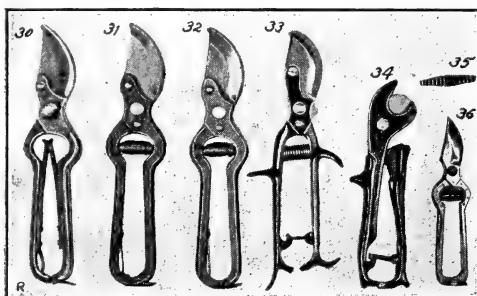
Long handle tree pruners indispensable for pruning tall trees.

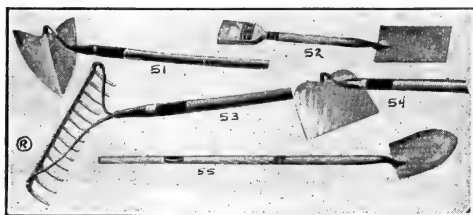
Clyde.—No. 15, with spring 6 feet, 75c; 8 feet 90c; 10 feet \$1.00; 12 feet \$1.15. Cannot go by mail; freight or express, purchaser's expense.

Note.—This pruner has spring to release blade after cutting branch; no sticking or catching; extra blades 25c each, postpaid.

Budding Knives.

- | | |
|---|----------|
| No. 20 —Ivory handle; one blade of best steel | Postpaid |
| No. 20½—Same as above; black handle | \$1.25 |
| No. 18 —Ebony handle; stationery ivory bark opener | 1.00 |
| No. 19 —Wood handle; with good steel blade | .85 |
| No. 14 —Horn handle; for budding or pruning; 3 blades | 1.50 |
| No. 16 —Horn handle; for budding or pruning; 2 blades | 1.00 |
| M. & G. Stationary wood handle | .30 |





Pruning Knives.

- No. 15—Large wood handle; hook blade.....\$.85
No. 17—Same as above, only smaller......50
No. 13—Large horn handle; excellent blade.... 1.25
M. & G. Plain wood handle; stationary blade... .50

Grafting Knives

- No. 1—M. & G. wood handle; stationary blade..\$.35
No. 2—Same as above, only smaller..... .25

Garden Tools.

Space will not permit us to illustrate and describe all our garden tools. Call or write for prices on anything wanted.

- No. 51.—Best garden hoe; solid steel shank. 75c
52.—Maynard spade, best quality \$1.50
53.—Solid steel rake, 13 teeth. 80c
54.—XXX flat hoe, best quality. 75c
55.—Maynard steel shovel, very best. \$1.50

The above are the very best. We have cheaper.

- Turf Edgers.—Solid steel shank. 60c
Potato Forks.—Four tines, 6" handle. \$1.25
Potato Hook.—Five round tines; goose neck. \$1.00
Floral Set.—Three pieces—hoe, spade, rake; fine for light gardening. \$1.25
Lady's Floral Set.—Four pieces, 9 inches long. 80c
Lawn Rake.—Reversible, 24 teeth, 60c; 36 teeth, \$1.00
Grass Hooks or Sickles.—Village blacksmith, hand-forged, 45c; bent handle, 50c.
Sickle Stones.—Three grades. 5c, 10c and 15c

Garden or Rose Stakes.

- Cedar.—Round; painted green, white top. Per doz.
3 ft. 75c; 3½ ft. 80c; 4 ft. 85c; 5 ft. 1.35;
6 ft. \$2.00.

Bamboo. — Very desirable and inexpensive for vegetable or flowering plants of any kind. The larger sizes are excellent for dahlias, tall growing perennials, roses, etc.

Note—State for what purpose you want them, as we have them from pencil thickness (¼-inch) up to 1½ inches.

- Price per dozen: 1½-ft. 10c; 2-ft. 15c; 3-ft. 20c; 4-ft. 25c; 5-ft. 30c; 6-ft. 50c; 8-ft. 75c. Write for low price by the 100 or 1000.

Cemetery Vases.

Made of heavy tin and painted green. Conical, long wire point to push into the soil. Nothing nicer for holding flowers at the graves.

Large 25c; medium 20c; small 15c each

Sprinklers.

SPRINKLING CANS.—Strong and well made.
4-qt. 30c; 6-qt. 40c; 8-qt. 50c; 10-qt. 60c; 12-qt. 75c

SCHOLLY PLANT SPRAYERS.—Made of best quality rubber and most convenient for spraying house plants. No. 1, 5-oz. 65c; No. 2, 10-oz. \$1.25

Florists' Supplies.

- Glazing points.
Mastica.
Mastica Machines.
Moss.
Putty bulbs.
Tin foil.
Grafting wax
Raffia.
- | | |
|-------------------------|-----------------|
| | Per M 75c |
| | Per gal. \$1.50 |
| | Each \$1.50 |
| Lb. 5c; 100 lbs. \$3.00 | |
| | Each \$1.00 |
| Lb. 20c; 10 lbs. \$1.50 | |
| ¾-lb. 10c, postpaid 15c | |
| lb. 25c, postpaid 50c | |

WIRE HANGING BASKETS

6-in. 15c; 8-in. 20c; 10-in. 25c; 12-in. 35c; 14-in. 50c

WIRE DESIGNS

We can supply wire designs for floral pieces, any style. Write for prices on anything wanted.

Labels.

The tree and pot labels we offer below are strictly No. 1 labels, smooth and well wired. The painted labels are "really painted," not dipped in oil. Ordinary lead pencil writing on the painted labels is always readable; it don't was off.

TREE LABELS.

- | | | | |
|------------------------|--------|--------|--------|
| Painted, copper wired | 25 | 100 | M. |
| Unpainted, iron wired | \$0.15 | \$0.25 | \$1.50 |
| Aluminum, copper wired | .10 | .15 | 1.25 |
| | .60 | 2.00 | |

POT LABELS

- | | | | |
|------------------|-----|-----|------|
| Painted, 4-inch | .10 | .20 | 1.25 |
| Painted, 5-inch | .15 | .25 | 1.50 |
| Painted, 6-inch | .15 | .30 | 2.00 |
| Painted, 10-inch | .25 | .75 | 6.00 |



Standard Pots, Etc.

Fig. 1—Fern Dish Filler; 2—Bulb Pan; 3—Azalia or Fern Pot; 4—Flower Pot. All styles same prices.

Size	Each.	Doz.	Saucers.
2-inch	\$0.02	\$0.20	.....
3-inch	.03	.30	.....
4-inch	.04	.40	\$0.02½
5-inch	.06	.60	.04
6-inch	.10	.90	.05
7-inch	.12	1.20	.07½
8-inch	.16	1.75	.10
9-inch	.25	2.50	.15
10-inch	.40	.....	.20
12-inch	.60	.....	.35
14-inch	1.50	.....	1.00
16-inch	2.25	.....	1.25



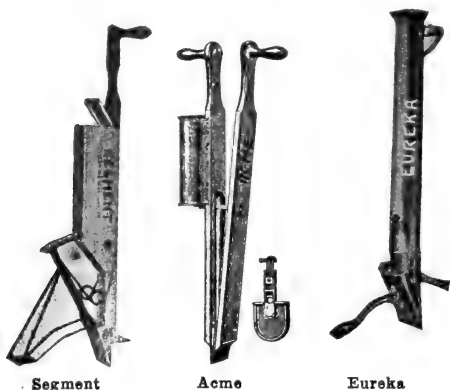
Jardinieres—Fern Dishes.

We carry in stock a large and complete assortment of the best styles and latest designs. Limited catalog space will not permit us to illustrate and describe them, but we are sure we can please out-of-town customers if they will give us inside measurements required, and say how much they want to spend.

(Inside measurement always given.)

- NO. 1—Fancy mat green fern dish, with filler; 6-inch, \$1.50; 7-inch, \$2.25.
NO. 2—Glazed; red shaded yellow or green color; 5½ inches, 25c.
NO. 4—Fancy, glazed, light and dark green; 7½-inch, \$1.00; 8-inch, \$1.50; 9¼-inch, \$3.00.
NOS. 5-7—Mat green, 4-inch, 75c; 5-inch, \$1.00; 6-inch, \$1.50; 7-inch, \$2.00; 8-inch, \$4.00; 10-inch, \$6.50.
NO. 6—Fern dish and filler, mat green; 5½-inch, \$1.00; 6½-inch, \$1.25; 8-inch, \$1.50.
NO. 8—Egyptian style, mat green; 5½-inch, \$1.50; 7-inch, \$2.25; 9-inch, \$4.00; 11½-inch, \$7.50.
NO. 9—Fancy glazed, dark brown, also pearl gray, with flower design; 5½-inch, \$2.25; 6¼-inch, \$2.75; 7¼-inch, \$3.50; 8½-inch, \$4.50; 12-inch, \$6.50.

We also have in stock 12 to 18-inch garden and porch vases or urns of fancy designs. These are very ornamental and desirable for flowering plants, palms, etc. Prices on request.

**CORN PLANTERS**

Acme.—Two-hand type; weight 4 lbs.; length 35 inches; a popular and successful planter. Strong and durable; sure in its work. Will plant corn, peas and beans. (See cut.) Price \$1.00

Segment Automatic.—One-hand type; weight 4 lbs.; length 34 inches. An excellent, handy and serviceable planter. Can be adjusted for corn, beans or peas. You plant accurately and evenly as fast as you walk. (See cut.) Price \$1.50

POTATO PLANTERS

Eureka Tubular.—Weight 4 lbs.; length 36 inches. This is the lightest and best tubular planter made. With this planter one man can plant several times as much ground without getting a lame back as he can plant by hand. The planter locks itself as it is lifted out of the ground, so that the next potato may be dropped in at once, and opens automatically as the top of it is moved forward in walking. (See cut.) Price \$1.50

Pingree.—Practically the same as the Eureka, without the tube down the handle. You lift the planter up and drop the potato in the lower part. It is light and a very satisfactory planter. Price \$1.35

The Rolling of Lawns.

It is absolutely impossible to keep a lawn, large or small, in perfect condition without rolling, no matter how many other things may be done in taking care of it. This fact should be well understood by the large and growing army of Americans who take pride in the beauty of the lawns surrounding their city or country homes. Ask for booklet—"The Proper Care of Lawns"—free.

The Dunham "Water-weight" Lawn Rollers

These are the most satisfactory and serviceable rollers on the market. Important features: Easy running, roller bearing, electric welded, no rivets, cannot leak, perfectly smooth drum, and can be made heavy or light, according to the work required. (See cut.) Easy to fill or empty, and the largest size can be operated by one man.

NO. W. B. 2.—One section, 14x20 inches. Weight, empty, 60 lbs.; filled, 200 to 300 lbs. Price \$11.00

NO. W. B. 4.—One section, 18x24 inches. Weight, empty, 75 lbs.; filled, 300 to 500 lbs. Price \$13.50

NO. B. W. 6.—One section, 24x24 inches. Weight, empty, 125 lbs.; filled, 500 to 800 lbs. Price \$18.50

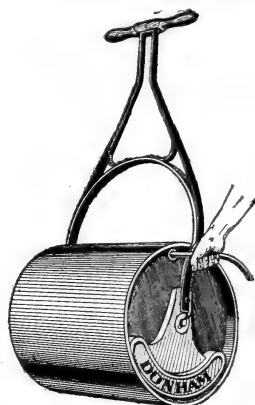
NO. W. B. 10.—Two sections, each 18x12 (total length, 24 inches); weight, empty, 100 lbs.; filled, 300 to 500 lbs. Price \$20.00

Dunham Gold Medal Rollers

We have sold many of this style. Rollers open, but heavy, well made, roller bearing, counter handle weights.

NO. L. R. 401.—Two sections, each 15x8 inches; weight 150 lbs. Price \$12.50

NO. L. R. 402.—Three sections, each 15x8 inches; weight 200 lbs. Price \$16.00

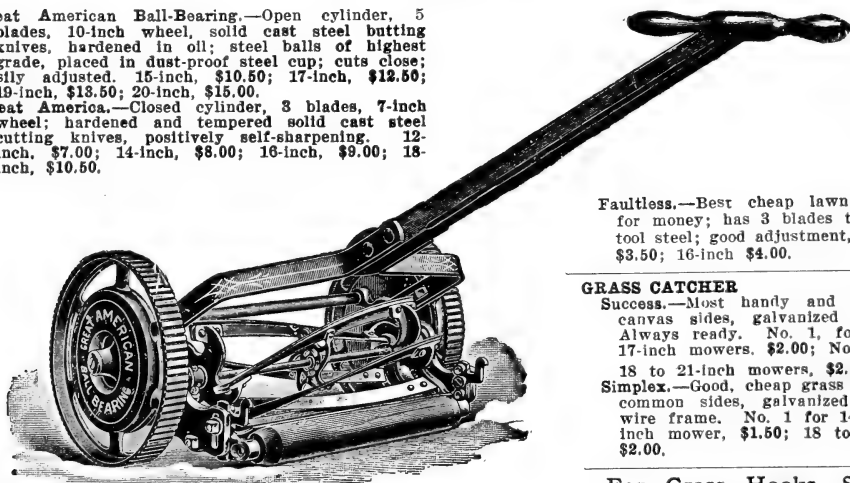
**Dunham Roller.**

See how easy it is to fill. The "handle weights" keep the handles up off the ground.

Lawn Mowers

Great American Ball-Bearing.—Open cylinder, 5 blades, 10-inch wheel, solid cast steel butting knives, hardened in oil; steel balls of highest grade, placed in dust-proof steel cup; cuts close; easily adjusted. 15-inch, \$10.50; 17-inch, \$12.50; 19-inch, \$13.50; 20-inch, \$15.00.

Great America.—Closed cylinder, 3 blades, 7-inch wheel; hardened and tempered solid cast steel cutting knives, positively self-sharpening. 12-inch, \$7.00; 14-inch, \$8.00; 16-inch, \$9.00; 18-inch, \$10.50.

**Great Lawn Mower**

Faultless.—Best cheap lawn mower for money; has 3 blades tempered tool steel; good adjustment, 14-inch \$3.50; 16-inch \$4.00.

GRASS CATCHER

Success.—Most handy and durable; canvas sides, galvanized bottom. Always ready. No. 1, for 14 to 17-inch mowers, \$2.00; No. 2, for 18 to 21-inch mowers, \$2.50.

Simplex.—Good, cheap grass catcher; common sides, galvanized bottom wire frame. No. 1 for 14 to 17-inch mower, \$1.50; 18 to 21-inch \$2.00.

For Grass Hooks, Sickles, Turf Edges, Etc., see page 97.

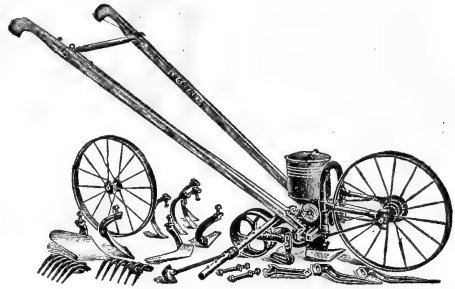
"THE PROPER CARE OF LAWNS."—We have for free distribution this valuable and up-to-date booklet. It will tell you how to prepare and care for a lawn.

GARDEN SEEDERS, CULTIVATORS, ETC.

Iron Age Tools.

These implements are well and favorably known everywhere; they have many staunch friends who claim they are superior to other makes. One very desirable feature is the large size wheels, making them most easy to run.

Note—We show only 3 styles out of 16. Fully illustrated and descriptive catalog on request.



Combined No. 6 Iron Age

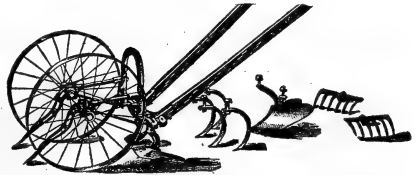
Iron Age No. 6. Combined Double and Single Wheel Hoe, Hill and Drill Seeder

Price \$14.50; with 2 hoes and 4 cultivator teeth, only \$12.80. Hill and Drill Seeder only \$11.00. Garden Disc Cultivating Attachment \$2.35 extra. Sows seeds in continuous rows or drops in hills at 4, 6, 8, 12 or 24 inches apart. Lever makes quick change. Opens its own furrow, covers it and packs the soil. Has accurate feed, without injury to the seed. Latter is dropped in plain sight—no guess work. The high wheel runs easy. The seeder part is quickly detached when wanted as a double wheel cultivator.

Iron Age "New Model" Seed Drill. Price \$10.00. Illustrated Catalog tells all about it.

Iron Age No. 1. Double and Single Wheel Hoe.

Price with tools, as shown in cut, \$8.65, with 2 hoes only. No. 3, \$5.45 with 2 hoes and 4 teeth only. No. 13, \$6.85. Opens and closes furrows, takes care of first working without danger to the young plants, goes astride or between the rows, cultivates, weeds, levels, etc. 16-inch wheels and high arch. For narrow rows use a single wheel inside. Does a day's work in 60 minutes. Saves old-fashioned back-breaking work—you walk upright with this tool and weeds never get the best of you. Remember the large wheels—easy running.



No. 1 Iron Age, Double and Single Wheel Hoe



No. 20 Iron Age, Single Wheel Hoe

Iron Age No. 20. Single Wheel Hoe.

This is a most convenient and serviceable tool. Light but strong, and runs nicely on account of the high, 16-inch broad-faced wheel. Price complete, as shown in cut, \$7.20; plain with hoes only (No. 21) \$4.55.

"Planet Jr." Tools.

Known and used the world over. Recognized as "perfection" in quality and finish. We will gladly mail illustrated and descriptive catalog, giving

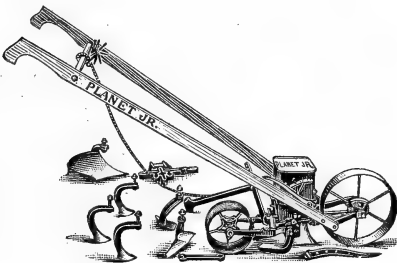
General Price List Planet Jrs.

full information.
NO. 4—Combined Hill and Drill Seeder and Single Wheel Hoe Cultivator and Plow (see cut) \$12.00. Drill only \$10.00.
NO. 25—Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow, \$14.50.
NO. 3—Hill and Drill Seeder, \$11.50.
NO. 12—(See cut.) Double Wheel Hoe, \$7.85.
NO. 13—Double Wheel, 2 hoes only, \$5.50.
NO. 14—Double Wheel Disc Hoe, Cultivator and Plow, \$9.00.
DISC HOES for Wheel Hoes, per pair \$3.00.
NO. 17—Single Wheel Hoe, \$5.75.
NO. 17½—Single Wheel Hoe, \$5.25.
NO. 18—Single Wheel Hoe, \$4.25.
Twelve-Tooth Harrow, complete \$10.50.

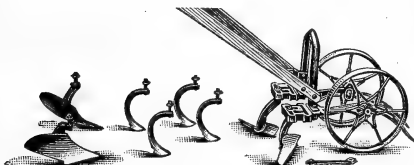
Handsomely Illustrated Planet Jr. Catalog free on request.

Cahoon Broadcast Seeder

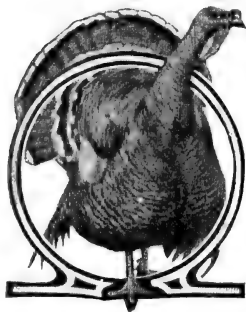
The standard broadcast seed sower, made of steel, iron and brass, will last a life time. Has force feed. Every farmer should have one, as it sows perfectly any kind of seed or grain. Full instructions with each machine. Price \$3.50



Planet Jr. No. 4 combined.



Planet Jr. 12, Double Wheel Hoe



Routledge Seed & Floral Co's

UP TO DATE
"HIGHEST QUALITY"

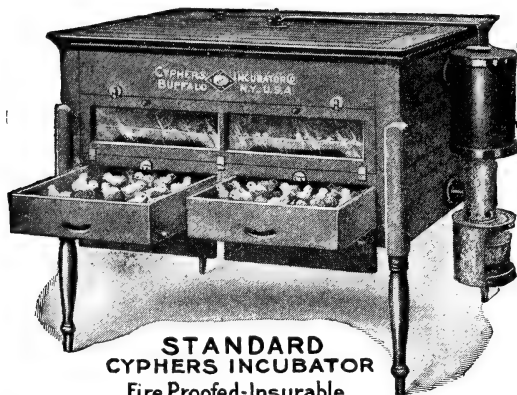
POULTRY SUPPLIES

We are devoting the following pages of this catalogue to incubators, brooders, poultry supplies of all kinds, poultry food, remedies and insecticides, etc., and are offering you what we believe to be the best line of poultry supplies in the West. We have practically everything needed and used in the profitable rearing and keeping of poultry. While this is the first season we have catalogued a complete line, we are not "green" or inexperienced. The manager of our Poultry Supply Department is one of the best posted men in this line on the Coast.

At the time of writing this catalogue we have already ordered for our coming season's business over eight full carloads of incubators, brooders, supplies, etc., and have every reason to believe that our sales for 1912 will amount to fifteen or twenty carloads. Our motto, "Quality first—price as low as we can make it"—will be strictly adhered to in this department, as well as in our other stocks.

WE ARE AUTHORIZED AGENTS FOR

Genuine STANDARD CYPHERS INCUBATORS Patented.

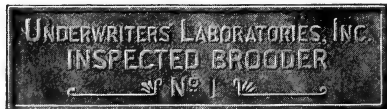


**STANDARD
CYPHERS INCUBATOR**
Fire Proofed-Insurable.

FOR 1912

We offer our customers the Cyphers Company's complete line of incubators and brooders—the best on the market. For years the Cyphers Incubator has been consistently improved, always maintaining its leadership, until today it represents all that is most efficient, convenient and reliable in incubator construction.

DEMAND THIS LABEL—YOUR SAFETY, ON YOUR INCUBATOR.



Form of Brass Label to be Found (in serial numbers) on Every Standard Cyphers Incubators, All Sizes.

TO OWN A CYPHERS is to have an incubator that stands first, not only because it has affixed to it the fire insurance label granted by the National Board of Fire Underwriters and bears a world-wide reputation, but because of the well established fact that it is the best hatcher of large, vigorous, livable chicks. It is positively guaranteed to out hatch any other make of incubator under widely-varying conditions, season after season, and to last ten years without repairs.

Practical poultry raisers who mean business and desire the greatest possible success should look for and demand the qualities that have made Cyphers Incubators world famous,

**FIRE-PROOFED
INSURABLE
SELF-VENTILATING
SELF-REGULATING
NON-MOISTURE
EFFICIENT, DURABLE AND
POSITIVELY GUARANTEED.**

THE PRINCIPLES OF CONSTRUCTION that have made Cyphers Incubators "the world's standard hatchers" for the last twelve to fifteen years remain unchanged in the 1912 pattern. Their patented features, their entire freedom from the bothers, disappointments and losses common to the "cheap" or "bargain" incubator make these high-class machines the best for you to own first, last and all the time. They are used with unequalled success in all parts of the civilized world, under every practical condition by men and women in all walks of life. They are money savers and money makers for poultry raisers who "mean business"—for men and women who want a real incubator with which to get out of poultry keeping all the profit and all the pleasure there is in it.

CYPHERS INCUBATORS have now been on the market fifteen years and today are used by more Government Experiment Stations, on more large, practical poultry plants, on more successful duck and egg farms and by a larger number of foremost poultry breeders than all other makes combined. For proof of these statements send to us for a copy of Cyphers Incubator Company's latest catalogue.

Persons who earnestly desire to succeed in the poultry business should have the right tools with which to work. Write us today for free illustrated catalogue telling all about these superior hatching machines.

NOTE. The demand last year for Cyphers on this Coast was greater than the supply. Be wise—order early.

Sizes and prices of Cyphers Fireproofed Incubators free on board cars or boats at Portland, Oregon.

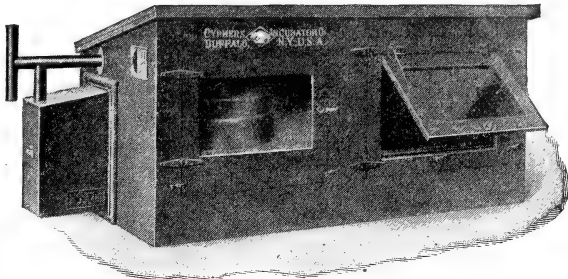
No. 0.—Holds 70 hen eggs.....	\$16.50
No. 1.—Holds 144 hen eggs.....	23.75
No. 2.—Holds 244 hen eggs.....	34.00
No. 3.—Holds 390 hen eggs.....	40.00

STANDARD CYPHERS COMBINATION BROODERS.

FOR 1912—FIREPROOFED, INSURABLE, SELF-REGULATING.

Cyphers unequalled Apartment Brooders and Combination Roosting Coops have the same important advantages over all other makes that are possessed by Cyphers Company's 1912 incubators, in that they are fire-proofed and insurable, having the first fire insurance inspection label ever granted on a brooder.

CYPHERS 1912 BROODERS, every size and style, are self-regulating, self-ventilating and vermin proof. The outdoor styles are usable also as colony coops for the growing chicks. They are easily and quickly converted into colony roosting coops by simply taking out the hover, which is made removable for that purpose.



Style B Outdoor Brooder.

THIS DOUBLE USE of the Cyphers Brooder means a considerable saving of money. It makes a safe and comfortable enclosure for the young chicks at night and saves the buying of a coop for them. These outdoor brooders, on account of their fire-proof construction, can be used indoors, although we supply a special brooder, Style D, for indoor purposes.

All Cyphers 1912 Brooders, both outdoor and indoor, contain either two or three apartments. The popular Style B (shown in illustration herewith), contains three apartments—first, roomy space under the hover; second, hover chamber; third, well-lighted exercising apartment. It has often been said by users of the Cyphers Brooders that

THEY MOTHER THE CHICKS BETTER THAN A HEN.

AN IMPORTANT REASON for this is found in the great practical advantage possessed by the entire line of Cyphers Brooders for 1912 in their self-regulating feature. For years the self-regulator was attached only to the highest priced Cyphers Brooder (Style C), but it was so well received that now it is attached to all the Cyphers Company Brooders. It automatically regulates the heat in the brooder underneath the hover at all times, whereas in brooders without a regulator the heat has to be governed by a continuous watching of the lamp and turning the wick up or down whenever more or less heat is required.

CYPHERS POULTRY BOOKS.

These new books are inexpensive, but most valuable. They are written by practical men who have made a success. See page 112.

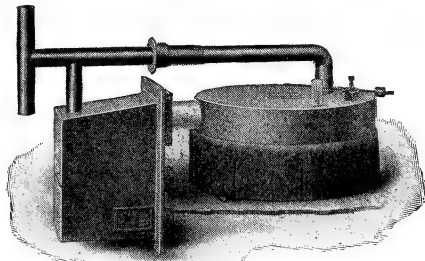
IN ADDITION to this unequalled line of brooders, we offer separately the Cyphers Company's world's challenge Adaptable Hover. This machinery-made, all-metal, guaranteed fire-proof heating and brooding device is suitable to be used anywhere that heat is required for brooding chicks or ducklings. It can be used in a roosting coop, colony house, shed, hen house, barn or other building with or without any additional enclosure for the chicks, or in a large goods case or organ or piano box.

Is pronounced by thousands of users to be the best device thus far invented for heating home-made brooders. Recommended especially for use in long brooding houses, one hover for each pen. Adaptable hover is complete in itself, bears insurance label as a separate device, and is safe to use anywhere. Weight, boxed for shipment, only 40 pounds.

COMPLETE CATALOGUE FOR 1912 contains fully illustrated description of this self-regulating, fire-proofed hover; also of the entire line of Cyphers apartment brooders.

Sizes and prices of Cyphers Adaptable Hover and Combination Brooders free on board cars or boats at Portland, Oregon.

Adaptable Hover, capacity 75 chicks.....	\$10.00
Style A, Two Apartment Outdoor Brooder, capacity 75 chicks.....	15.00
Style B, Three Apartment Outdoor Brooder, capacity 100 chicks.....	19.50
Style D, Three Apartment Indoor Brooder, capacity 75 chicks.....	14.00



All metal adaptable brooder.

Reduce your high cost of living by raising your own poultry and eggs. By up-to-date methods you can do it with very little trouble.

BUCKEYE INCUBATORS.

Incubator Facts.

It is no longer a wonderful feat to build an incubator that will hatch some chickens from some eggs, but the truly successful incubator must hatch a chicken from every hatchable egg.

In addition to that every chick must be a vigorous, healthy specimen that starts to grow the moment it is hatched, and continues to grow without forcing or doctoring.

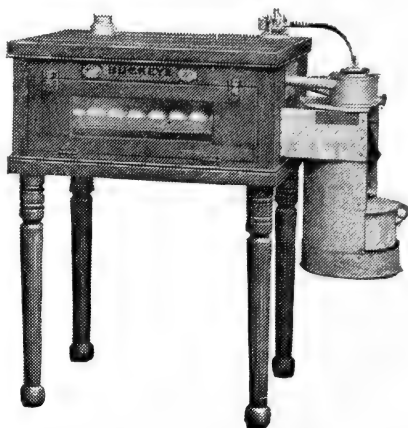
THAT'S THE RECORD OF THE BUCKEYE!

Many of them have been purchased by persons who could scarcely read—yet, the results have always been the same. They hatch every hatchable egg.

For twenty-one years Buckeye Incubators have been sold with a guarantee to hatch every hatchable egg. During the season of 1910-1911 nearly a hundred thousand Buckeye Incubators were sold.

Think of it! Nearly a hundred thousand machines sold in one season to the American public.

The Buckeye is so simple that a boy or girl can operate it. That's the secret of its wonderful success.



No. 110 Standard Buckeye Incubator.

Construction of Buckeye "Standard" Incubators.

The Buckeye incubators are double walled, well made, properly constructed and guaranteed for five years. They are not finished so elaborately as some, but are nice enough for any one. They are "built for business" and guaranteed to "hatch every hatchable egg."

Their circulating hot water system has been used successfully for twenty-one years. Every Buckeye heater is made of a specially prepared rust-proof metal. The lamp and lamp support is excellent, and is made strictly in accordance with the requirements of the insurance underwriters' laboratories, so that each Standard Buckeye Incubator now bears "The Underwriters' Label."

The thermostat regulator is perfect and far superior and more expensive than the "disc" or "wafer" regulators used on most other incubators. The Buckeye Circulating Hot Water System makes the control of ventilation and moisture the simplest thing imaginable, without complicated valves and slides.

A constant supply of pure, fresh air is flowing through the egg chamber twenty-four hours every day. The circulating air that passes through the incubator contains all its natural moisture, too.

The Buckeye system is so nicely adjusted that the eggs get just the correct amount of moisture all the time without the aid of artificial methods. Therefore, with a Buckeye, you have no ventilation or moisture worries. Its purely automatic, and you can't make a mistake.

There's really so little for the operator of a Buckeye to do that it can be told in a few words. It's

simply this—You keep the lamp burning and turn the eggs twice a day.

Now, why hesitate? If you've never used an incubator, try a Buckeye first. You'll save money, time and trouble.

If you want to read in detail just how the Buckeye is constructed—why it's so simple and easy to operate, send to us for the complete Buckeye catalogue—free.

BUCKEYE, STYLE A, 60-EGG.

It is made exactly like the "Standard 60" except for the absence of the lamp support, and the legs which are shorter. It can be operated on a table or platform. The only thing that is cheap about this incubator is the price.

BUCKEYE, STYLE C, 50-EGG.

A low priced yet most successful incubator. The heating system is exactly the same as used in all Standard Buckeyes. The big saving in cost on this incubator is made in the construction of the case. They are not equipped with a nursery which makes quite a saving without detracting from its efficiency. Instead of using a double thickness of lumber we use a single one. Instead of two coats of varnish it receives one. Instead of French spring catches common door buttons are used, and there are some further savings in hardware and finish.

This economy, however, does not in any sense affect the hatching qualities of the incubator.

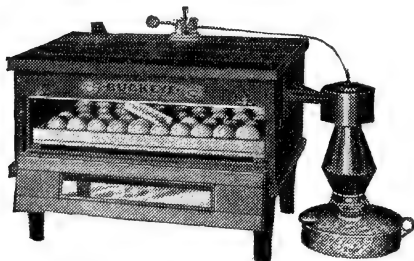
PRICE LIST AND CAPACITY BUCKEYE INCUBATORS.

EACH MACHINE CONTAINS A PRINTED BUCKEYE GUARANTEE, INSTRUCTION BOOK, THERMOMETER, EGG-TESTER AND EXTRA TRAY.

Name.	Size.	Weight.	Price.
Buckeye, Style C..	50-egg	40 lbs.	\$8.00
Buckeye, Style A..	60-egg	60 lbs.	10.00
Buckeye, Standard.	60-egg	85 lbs.	12.00
Buckeye, Standard.	110-egg	125 lbs.	17.50
Buckeye, Standard.	220-egg	190 lbs.	27.50

Note.—The Buckeye 220-egg size is practically two incubators made into one; each half independent of the other with a capacity of 110 eggs to each compartment. This construction eliminates the practice of setting stale eggs, through inability to secure a large number of fresh ones in a short time. Either section may be filled at any time, regardless of the other.

REMEMBER—All Buckeye "Standard Incubators" bear the "Underwriter's Label."



Style C Buckeye Incubator.

Order Early

Don't wait until the hatching season is on before you order your incubator. Get it early, set it up and understand it, before you fill it.

BUCKEYE TOP HEAT SELF REGULATING BROODERS.

Limited space in this catalogue will not permit us to go into details and tell you "all the good things" about the Buckeye Brooders, but we will gladly mail a fully illustrated and descriptive catalogue on request.

Here, we must be brief and to the point. To start with we believe a good artificial brooder is better than a mother hen. By good we mean one properly constructed, one with the proper system of heating and ventilation.

BUCKEYE INDOOR BROODERS

Are made of one-inch matched lumber and are put together to stay. They receive two coats of the best paint, and with ordinary care will last ten years.

BUCKEYE OUTDOOR BROODERS

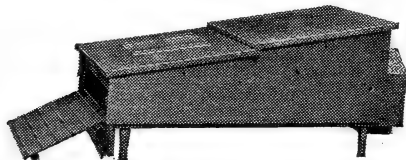
Are built of one-inch lumber throughout, with a double thickness of flooring under the hovr. The roof is covered with heavy galvanized steel. The skylights are so constructed that a leak is impossible. The lamp is encased in a heavy galvanized steel box that is wind and weather-proof. It can't blow out.

The Heating

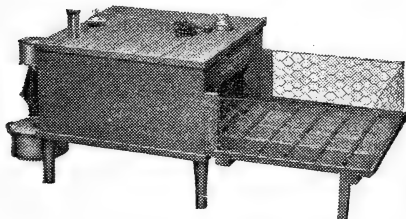
In the Buckeye Brooders, the hot water tank, which is suspended above the chicks, keeps every corner of the brooder at exactly the same temperature; it's this even distribution of heat that prevents the chicks from crowding. But even distribution of heat don't cover it all; the heat must be just right.

TAKE NOTE.—All Buckeye Brooders except the Lampless are equipped with a heat regulator that absolutely controls the heat; and keeps it just right, regardless of conditions.

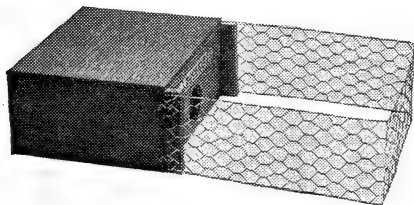
The circulating hot water system protects the chicks in case the lamp should be neglected or accidentally put out, for the hot water will stay hot long after the lamp goes out.



Outdoor Style, Buckeye Brooder.



Indoor Lampless, Buckeye Brooder.



Indoor Style, Buckeye Brooder.

The Ventilation.

Little chicks, to do well, must have fresh air. In the Buckeye they get a constant circulation of fresh air without being exposed to the slightest draught.

The Exercising Yard.

If it's bad for people to eat and sleep in the same room, it's bad for chickens, so the Buckeye is provided with a separate room or yard where the chicks feed and exercise.

The above conditions and other features not mentioned here on account of limited space, make the Buckeye a perfect Brooder.

WITH ABSOLUTE HEAT REGULATION, PLenty OF FRESH AIR, AND FREEDOM FROM CROWD-ING.

PRICE LIST AND CAPACITY. BUCKEYE TOP HEAT SELF-REGULATING BROODERS.

Every brooder complete and ready for use.

No. 1—50 Chick—Indoor, with regu- lator	\$ 8.00
No. 2—50 Chick—Outdoor, with reg- ulator	10.00
No. 3—100 Chick—Indoor, with reg- ulator	10.00
No. 4—100 Chick—Outdoor, with regulator	15.00

BUCKEYE LAMPLESS BROODERS.

The Lampless or Fireless Brooder is no longer an experiment, it is a success and is becoming more popular each season. Lampless Buckeye Brooders are so constructed that the heat of the chick's body is retained under the felt hovering, where the little babies are "as snug as a bug in a rug."

Every requirement is equally well met; these brooders require no lamp—consequently less care and less expense—two items that are worthy of serious consideration.

They are especially adapted for use on this Coast on account of our mild weather. However, for use in cold sections, or very early in the Spring, we, ourselves, believe that the heated brooder is preferable. Even under these conditions, they make an excellent and inexpensive "second brooder" for the older chicks.

We believe in Buckeye Brooders. After years of incubator selling, we realize only too keenly that no matter how successful you may be hatching chicks, you can't be successful raising chicks unless you use a good brooder. Whether you hatch your chicks with a Buckeye or some other incubator you will not miss it by raising your chicks in a Buckeye Brooder.

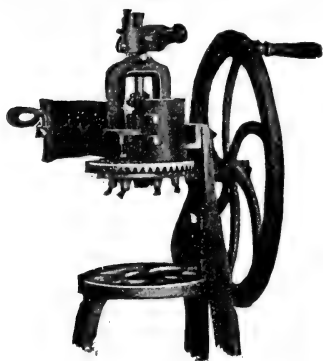
PRICES BUCKEYE LAMPLESS.

No. 5—Lampless, 25 Chick—With wire yard	2.00
No. 6—Lampless, 50 Chick—With wire yard	3.00

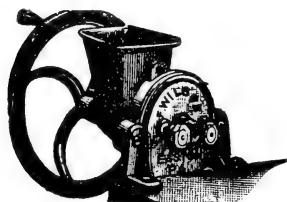
The Buckeye will raise every healthy chick entrusted to its care.

Chick Life Insurance

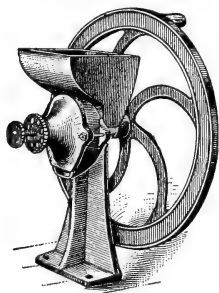
Insure the life of your chicks by feeding our High Quality Sterling Chick Feed, put up under the Pure Food Law and guaranteed. See page 108.



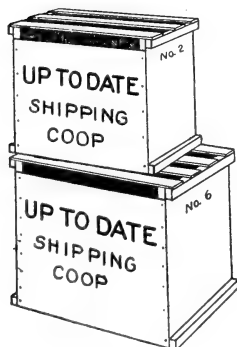
Mann's No. 7 for Green Bone.



Wilson No. 1 Mill.



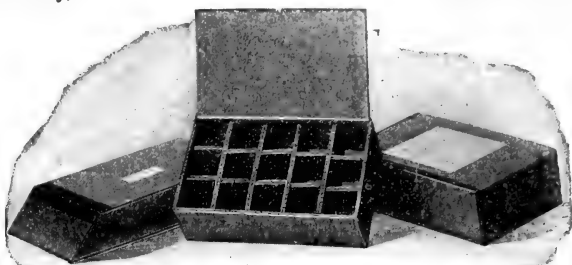
No. 32 Mill—You Need One.



Shipping Coop.

POULTRY SUPPLIES.

We aim to keep in stock all up-to-date and useful appliances for poultry raisers. If you want something not listed herewith, write us. We probably have it, or will gladly get it for you, saving you time and money.



Anderson Egg Packer—Up-to-Date and Safe.

EGG BOXES.

ANDERSON FOLDING EGG BOXES.—(See cut.) Without a doubt the best box for delivering fancy eggs for hatching. Made of heavy corrugated paper; light but strong. Up-to-date poultrymen should use this box in place of the old style basket.

15-egg size, each 15c, doz. \$1.50; 30-egg size, each 25c, doz. \$2.25; 50-egg size, each 35c, doz. \$3.50; 100-egg size, each 60c, doz. \$5.25. Sample, 15-egg size, postpaid 25c.

IDEAL EGG BOXES.—Hold one dozen eggs; very nice for private trade. They save time, eggs and money. Your customers return them, therefore you are out nothing.

Price, per doz, 30c; 100 \$1.25; low prices by the thousand

LIVE CHICK BOXES for shipping.

Made of heavy corrugated paper, especially for shipping baby chicks. Used by the thousands in the East.

Prices, 25 chick size, 20c each, \$2.00 dozen; 50 chick size, 25c each, \$2.50 dozen; 100 chick size, 40c each, \$4.00 dozen.

BONE MILLS.

MANN'S GREEN BONE CUTTER.—Without any doubt the best and only successful green bone cutter on the market today. The No. 5-B and No. 7-BM are the two best and most popular sellers. Descriptive catalog free on request.

MANN'S NO. 5-B.—Has a large balance wheel, making it easy to operate. Should be mounted on a bench. Has four knives, large, solid cylinder, and has the latest patent automatic governing spring feed, which makes it one of the best low-priced bone cutters ever offered. Price \$10.00

MANN'S NO. 7-BM.—The new No. 7-BM is mounted on a strong iron stand, and has patent automatic governing spring feed. Large, opening-hinged cylinder, giving instant access to all working parts, has six knives, gear guard, anti-clog device, heavy balance wheel and other improvements. (See cut.) Price \$15.00

NO. 32 HAND GRINDING MILL.—In this mill are embodied all the good features of other hand grinding mills to which have been added universal burrs or grinding plates that are quickly adjusted and locked for grinding coarse or fine. This machine will grind any kind of grain or seeds, dry bone, shells, crockery, etc., for feeding to poultry. Has a 16-inch fly wheel and is light running; the capacity is not equalled by any other of the same size. Weight, 40 pounds. Price \$5.50

WILSON NO. 1 MILL.—This is a practical mill, grinding all kinds of shell, crockery, grit, burnt or dry bone, feed, etc. Weight, 33 pounds. Price \$5.50

UP-TO-DATE SHIPPING COOPS for fancy poultry.

These coops are really "up-to-date" and will give your customers that impression of you if you use them when shipping. Buyers who pay fancy prices for thorough-bred birds like to see them come in a nice coop—not some old cracker box or oil case. These coops are light but strong. The ends have the cleats nailed on. We ship in the flat to save charges, but its an easy matter to nail them together, for each part is marked.

No.	Width.	Length.	Height.	Price.
No. 2	10 1-2 in.	18 in.	21 1-2 in.	Each 40c Doz. \$4.00
No. 4	10 1-2 in.	24 in.	21 1-2 in.	Each 50c Doz. 5.00
No. 6	19 1-2 in.	24 in.	21 1-2 in.	Each 60c Doz. 6.00

Capacity.—No. 2 suitable for single birds or pair Mediterraneans. No. 4 for Asiatic male, American or Mediterranean pair or small trio. No. 6 for a pen of five birds, any variety.

WHAT "BRAND" DO YOU USE? Last season we sold eight carloads of Sterling Chick Food and poultry raisers who used it will now feed nothing else. Will you try it? See page 108.

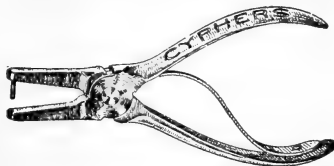
Poultry Supplies—Continued.



Mark your poultry so that you know them.



Caponizing Tools.



Cyphers Poultry Marker.



Leader Leg Band.



Open Leg Band.



Double Clinch Leg Band.



Petty's Poultry Punch.

RELIABLE POULTRY PUNCH ($\frac{1}{4}$ size).—Full instructions and markings with each punch.



Increase your profits by saving the chicks. Start now by ordering the "All-Rite" Sanitary Fountain and Feeder. See next page.

SAVE YOUR CHICKS

from fatal White Diarrhea by providing Conkey's White Diarrhea Remedy for the drinking water. Price 50c. Money back if not satisfied.



We Sell Guaranteed Remedies Only. Page 109.

LEG BANDS FOR POULTRY AND PIGEONS.

Keep a supply of Leg Bands on hand at all times; this is the only safe way to mark your different birds so you can tell certain stock or strains. Of course every bird must be marked with a band before it can be entered in a show.

LEADER (see cut).—Latest and best adjustable leg band out. Has neat, compact and smooth fasteners with no catching points; easily attached and is absolutely secure. Prices, postpaid, large or small, 12 for 15c, 25 for 30c, 50 for 50c, 100 for 80c.

DOUBLE CLINCH.—A desirable band, very safe; no exposed corners, ends or loops; has double fasteners (see cut). Made in five chicken and two pigeon sizes; state size wanted or tell us what variety and sex you want them for. Prices, postpaid, 12 for 15c, 25 for 30c, 50 for 50c, 100 for 85c.

OPEN AND SEAMLESS BANDS.—For chicks or pigeons. (See cut.) Same price as above.

POULTRY MARKERS.

Very desirable for marking the web between the toes, especially of young chicks; you put leg bands on when they get older.

CYPHER'S PERFECT MARKER (see cut).—Large and strong, easy to use. Postpaid 50c

RELIABLE MARKER (see cut). Postpaid 25c

PETTEX'S PUNCH (see cut).—New style. Postpaid 25c

CAPONIZING TOOLS.

Poultrymen can double their profits by caponizing. The operation is very simple, the instructions are so full and explicit that any man, woman or child, after a careful reading, will be able to perform the operation.

Philadelphia Set (see cut).—Complete with instructions. Wooden case, \$2.75; in card-board box, \$2.50, postpaid.

Our Poultry Foods Please.

Hood River, Ore., June 29, 1911.
Routledge Seed Co.

Dear Sirs: Find enclosed a check of \$6.00 for which please send me two (2) sacks of your Chick Food. It is very fine. Ship at once, please.

Yours truly,

E. L. SCOBEE.

Grants Pass, Oregon.
Routledge Seed & Floral Co., Portland, Ore.
Gentlemen: Received the 200 pounds of Beef Scraps and will say that it is the best I have been able to get.

Yours truly,

J. J. ROEMER.

Oregon City, Ore., May 2d, 1911.
Routledge Seed & Floral Co.
Gentlemen: Please ship us five sacks Sterling Chick Food. Since introduced, we cannot get along without it.

Trusting to receive the above in due time, we remain,
Yours truly,
EVERHART & HALL.

COME TO US FOR ADVICE IN YOUR POULTRY WORK. WE HAVE EXPERTS WHO WILL GLADLY HELP YOU.

Drinking Fountains & Feeders of Latest Design.

Equip your poultry houses and yards with these money-saving, sanitary utensils. Don't invite diseases and loss by using old pans, open dishes or wooden troughs.

SANITARY SHELL AND GRIT BOX (see cut).

Made of heavy galvanized iron; soon pays for itself in preventing waste. Self feeders for bone, beef scraps, grit, shells and charcoal. If these necessary foods are kept before your fowls they will eat just what their systems require for profitable results; in other words, properly balance their rations.

Price, 60c each; 3 for \$1.75

DRY FOOD HOPPER.

Made like above, but are larger, and only two compartments, one holding six and one three quarts. Thousands are in use for dry foods.

Price 75c each

AUTOMATIC CHICK GREASER AND FEEDER.

(See illustration bottom of page)—every chick its own doctor. It is the large lice which collect on the heads of young chickens which cause them to droop and die; and formerly the only way to get rid of these lice was to catch each chick and rub grease on its head; but this slow and tedious process is not necessary since the invention of the Automatic Chick Greaser. The wick around the upper part of the greaser is saturated with Conkey's Head Lice Ointment or with a mixture of two-thirds lard and one-third kerosene (or black oil) and every chick which eats out of the pan will get its head thoroughly greased in a very few minutes. This apparatus saves much time and trouble, and adds considerably to your profits.

Price \$1.25

DRINKING FOUNTAINS.

KLEAN DRINK.—One of the neatest and best on the market; we sold hundreds last season; can be used for water, small grit or grain. A Mason fruit jar screws into the metal base or fountain. Hangs up on a nail (see cut). Everyone has old fruit jars; we don't furnish them at following prices:

No. 1—For pint jar (brooder size).

20c each; \$1.75 dozen

No. 2—For pint or quart jar.

25c each; \$2.25 dozen

No. 3—For 1 or 2-quart jars.

30c each; \$2.75 dozen

No. 1—Sample by mail, 25c.

THE "ALL-RITE."—(See cut.) This new fountain for 1912 is similar to above style; can be set down or hung on wall. It feeds water or grit, mixed chick feed, etc. It is easy to fill. Simply snap out the bottom part, fill the jar, snap the bottom part on again and invert; no need of removing the jar from the wire holder. Made to hold the old zinc-top Ball Mason pint, quart or two-quart jar. We do not include cans or jars with the "All-Rite."

Prices, each 20c; 3 for 50c; 12 for \$1.75; by mail, postpaid, each 8c extra

CYPHER'S SEPARABLE DRINKING FOUNTAINS.—Pressed out of heavy galvanized iron; will last for years. Easy to clean inside and out. (See cut.)

Prices, 1-quart size, 25c each; 2-quart size, 35c; large 3-quart size, 45c.

Note.—5c less in lots of 3 or over.

CYPHER'S KEEP-CLEAN WALL FOUNTAINS.—Very popular for adult fowls; hang up on the wall out of litter and dirt; made of heavy galvanized iron. (See cut.) Price, 1-gal. size, 60c each; 2-gal. size, 85c each

SANITARY STONE FOUNTAINS.—(See cut.) An old and popular style that keeps the water cool. Price, 1-quart 25c, 2-quart 35c, 4-quart 50c

FREE—50c POULTRY BOOKS—FREE.

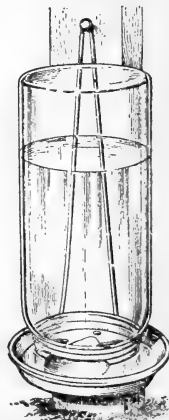
Get one and read it and we venture to say that you will thank US many times for calling your attention to it, and MR. CONKEY for publishing it. If it don't make you "f's" and save your chickens, "we'll treat."



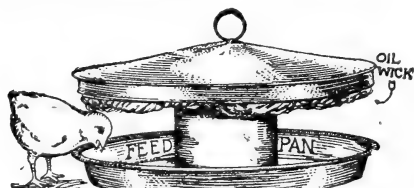
Money Savers—You Need Them.



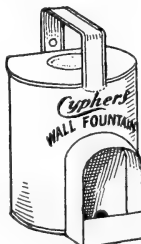
New All-Right Fountain and Feeder.



Klean-Drink Fountain.



Automatic Chick Greaser and Feeder.



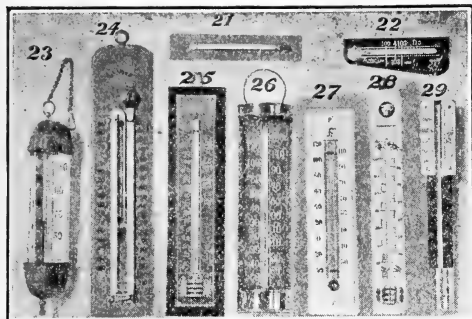
Cyphers Fountains.

YOUR POULTRY MUST HAVE FRESH, CLEAN WATER TO DO WELL.

WIRE NETTING FOR POULTRY RUNS AND TRELLISES, ETC.

	12-in.	18-in.	24-in.	30-in.	36-in.	48-in.	60-in.	72-in.
1-inch mesh	1.75	2.60	3.45	4.30	5.10	6.80	8.40	10.00
2-inch mesh .....	.85	\$1.15	\$1.45	\$1.80	\$2.15	\$2.90	\$3.60	\$ 4.30

Short lengths, 2-inch mesh, 1c square foot; 1-inch mesh, 3c. Prices subject to change without notice.



INCUBATOR HYGROMETERS.

"Moisture Indicators."

Millions of chicks die in the shell every year, for the want of proper moisture conditions. The importance of a correct percentage of moisture during incubation has made the "Tyco's" Incubator Hygrometer as necessary as the "Tyco's" Incubator Thermometer. Neither takes the place of the other, but together they give the practical poultry raiser all the facts required for successfully regulating the heat and moisture of an incubator. Descriptive pamphlet on request.

Hygrometer, with full instructions, postpaid \$1.50; with Tyco's 75c Incubator Thermometer, only \$2.00.

LAMPS.

OAKS HYDRO SAFETY.—Made especially for incubators and brooders. They have a water jacket and are perfectly safe. You will be pleased with these.

NO. 1—7½ inches high; ⅝-inch wick.....\$1.00

NO. 2—8 inches high; 1-inch wick..... 1.50

NO. 3—9 inches high; 1½-inch wick..... 1.75

NEST EGGS.

CHINA.—Opal. 3 for 10c, 12 for 30c; postpaid 50c
NEW MEDICATED.—Answers as a nest egg; also insecticide. Keeps lice out of the nests and off the hen. Non-breakable. Each egg wrapped with paper and full instructions.

Each 10c; 3 for 25c; 12 for 75c; postpaid \$1.00

LIME NEST EGG.—Better than China eggs; non-breakable.

Each 5c; 3 for 10c; 12 for 30c; postage 3c extra per egg.

THERMOMETERS, for various uses.

We sell the "Tyco's," recognized as the most dependable. See illustration herewith showing general style of the following numbers:

For general use.

No. 23—Household; nickel or oxidized; tube in the center, readable from any angle; very desirable.

Postpaid \$2.25

No. 25—Household; metal on wood. Postpaid 90c

No. 26—Household; tin case, 8-inch. Postpaid 75c

No. 27—Household; plate glass back. Postpaid \$1.15

No. 28—Household; 8-inch; wood back. Postpaid 50c

GREEN HOUSE.—Automatically records highest and lowest temperature. Postpaid \$2.00

HOT BED.—Round and pointed tube protected with metal and wood. For plunging in hot beds. Postpaid \$2.00

For Incubators.

No. 22 "TYCO'S."—Very popular style; used in both Cyphers and Buckeye.

Postpaid 65c; wire hanger 10c extra

TYCO'S CERTIFIED.—Same style as No. 22. Scale

is etched on glass tube as well as metal back. "Certified correct" and worth the price.

Postpaid \$1.50

NO. 22½.—Square design, white on black, has folding legs so that it can be set up in egg tray.

Each, \$1.00

For Brooders.

NO. 29.—New style and most convenient; temperature readable from above the hover. Used in both Cyphers and Buckeye.

Postpaid, each 60c; 2 for \$1.00

NO. 21.—Low priced, for brooder.. Postpaid 40c.

EGG TESTERS (see cut).

X-RAY.—This egg tester is made to use on a lamp and will fit the ordinary No. 2 burner; very convenient and good. Price 50c, postpaid

POWDER GUNS (see cut).

Very economical for using insect powder of any kind.

DEFENDER.—(See cut.) 10c; postpaid 15c

JUMBO.—Larger and better. 25c; postpaid 30c

KILLING KNIVES.

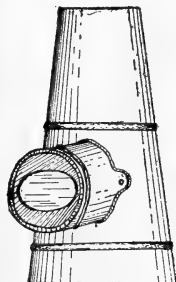
PILLINGS FRENCH.—Every poultry raiser should have one of our Killing Knives. They are made of a finely tempered instrument steel, with nickel handle; will last a life time. Sent postpaid on receipt of 60 cents. Don't wait! Send for one now!

PILLING ANGULAR KILLING KNIFE.—By simply turning the wrist the jugular vein and spinal cord are cut, thereby bleeding the fowl, allowing the feathers to be removed without using water.

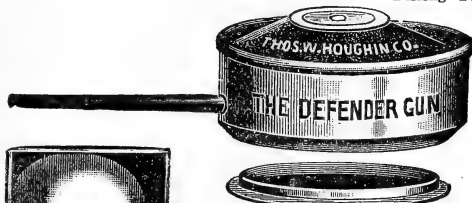
50c postpaid



Pilling French Poultry Knife.

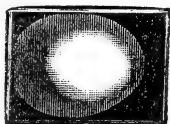


Egg Tester.

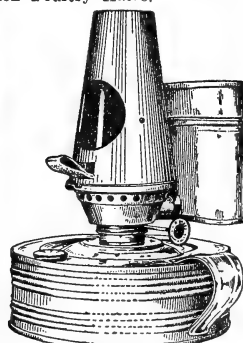


Powder Gun.

For Lice Powder,
Etc, see page 109.



Nest Eggs.



Oakes Safety Lamp.

POULTRY BOOKS. We list on page 112 new, up-to-date and valuable books, that are worth reading.

LIKE FRIED CHICKEN? With a small Incubator and Brooder you can raise 100 chickens to frying age in a space 10x20 feet and with an outlay not exceeding \$20.00, and have your outfit left. We can tell you how.

ROUTLEDGE'S "HIGHEST QUALITY" POULTRY FOODS.



Trade Mark.

CYPHERS CHICK AND POULTRY FOODS.

This season we shall endeavor to keep in stock Cypher's Standard Poultry Foods and will supply those who ask for it, as far as possible, at above prices; but rather than delay an order, should we be out of Cypher's Brand, we will send other "highest quality" stock **UNLESS OTHERWISE ORDERED**. Write for prices of Cypher's Foods.

NOTE.—Let us know in advance what you want and we will order it in our next car of Cypher's Foods.



Trade Mark

"Highest Quality" Sterling Chick Food.

Prepared especially for Baby Chicks, Turkeys, Pheasants, etc.

Put up for us under the "Pure Food Law" by one of the largest manufacturers of poultry foods in the United States, and is the "highest grade" Chick Food made; sound, clean and sweet.

Last season was the first time we offered "Sterling" to our customers, and they were more than pleased. Our sales on chick food alone increased from about 4000 pounds to 240,000 pounds, and we heard nothing but praises from every user.

If you have been buying some of the "so-called" chick foods sold in Portland and elsewhere, send to us for our "highest quality" Sterling Chick Food—a complete food (with the exception of greens or grass), for baby chicks from shell until eight or ten weeks old. This mixture embraces the best combination of seeds, grains, foods, etc., that can be compounded for the purpose required. It gives the chicks quick growth and keeps them in good health.

It should be fed dry and the chicks made to work for it. It is clean to handle, always ready, and is the cheapest food you can buy or prepare.

Price, 5 lbs. 25c; 10 lbs. 40c; 100 lbs. \$3.00; 500 lbs. \$13.75; 1000 lbs., price on application.

HIGH GRADE SCRATCH FOOD.

A complete ration for large chicks or full grown poultry. It is a perfectly balanced feed, composed of a variety of clean grains, mixed with the proper amount of prepared beef, fresh granulated bone, charcoal, grit and shell. Will keep your poultry in perfect condition. Makes an excellent and profitable food. You can't mix it as cheaply as we sell it, if you mix it right.

Price, 10 lbs. 40c; 100 lbs. \$2.50; 500 lbs. \$11.25
Prices liable to change. Write for quantity price.

GRANULATED BONE—"SPECIAL."

The impression prevails in many quarters that bone must be fresh or green to be of value as a food. This is not the case. The fresh bone contains about 40 per cent water and 12 per cent grease; 52 per cent of matter which your fowls do not need. The granulated bone we offer is made from fresh, green bones, from which the moisture and grease have been taken, leaving the phosphates, lime and protein. Bone is especially valuable to poultry. Feed in a Sanitary Shell and Grit Box.

Price, 5 lbs. 25c; 10 lbs. 40c; 100 lbs. \$3.00
ORDINARY STOCK.—When we have it. 100 lbs. \$2.25

HIGH-GRADE MEAT MEAL.

A highly concentrated food. It is cooked meat, dried and ground. Very rich in protein. It should be mixed with the soft food.

10 lbs. 50c; 50 lbs. \$2.25; 100 lbs. \$4.00

HIGH GRADE BEEF SCRAPS.

Beef scraps are rich in materials which make bone, muscle and lean meat. They insure health, thrift and vigor, and satisfy the natural craving of the bird's system for flesh-food in some form. No other meat-food is so highly concentrated and no substitute is so convenient for handling and storage. Contain 55 per cent protein. We guarantee our Beef Scraps to be pure and free from any adulteration. Beef Scraps can be fed dry or with cooked rations. Put in one section of your Sanitary Shell and Grit Box.

Price, 10 lbs. 50c; 50 lbs. \$2.25; 100 lbs. \$4.00

POULTRY SHELLS, CRUSHED.

These should be within reach of your hens at all times. We have been offering a combination of Oyster and Clam Shells that is excellent, carefully screened and free from waste. Put in one section of your Sanitary Feeder.

Price, 5 lbs. 15c; 10 lbs. 20c; 100 lbs. \$1.25; 500 lbs. \$5.50.

EASTERN OYSTER SHELL.

100 lbs. \$1.50

GRIT.

Every poultry raiser should keep a supply of this grit in each pen. Made in three sizes, chick, pigeon or broiler and hen size. We always send hen size unless otherwise ordered.

Price, 5 lbs. 15c; 10 lbs. 20c; 100 lbs. \$1.25; 500 lbs. \$5.50.

CHARCOAL.

Our Granulated Charcoal is prepared especially for poultry; no dust; a good thing for bowel trouble, sour crop and indigestion; a health preserver. State size wanted—A for mash, B for chicks, C for large chicks or hens.

Price 10 lbs. 75c; 100 lbs. \$3.75

CYPHER'S NODI.—Put up in 2-lb. cartons.

Each 20c; 3 pkgs. 50c

CLOVER OR ALFALFA MEAL.

The best substitute for green food for Winter feeding; helps keep the egg basket full; mixed with the soft feed is good for large or small chicks; endorsed by leading experts.

WESTERN—

Price, 1 lb. 5c; 10 lbs. 35c; 100 lbs. \$1.50

CYPHER'S BRAND.—Short cut, or meal.

100 lbs., \$1.75

POULTRY PEPPER.

A good tonic and invigorator. Ground.

Price, 1 lb. 25c; 5 lbs. \$1.00

CYPHERS PIGEON FOOD.

In compounding a food for pigeons the proper selection of various grains is of great importance. The peas it contains should be of a certain age. The wheat must be red, never white. The proportions of millet, hemp-seed, kaffir corn and all other materials that enter into it must conform to the known needs of the birds and be absolutely sweet and free from must, otherwise there is trouble.

The importance of a correct food cannot be over estimated. The health of the birds and the rapid growth and weight of the squabs is dependent upon it. Really, it costs no more to use a food that will produce these results than it does to travel in the old rut of haphazard feeding. It is impossible for any feeder to purchase in this market materials of this kind and quality and assemble them in the proper portions at as low a price as we offer Cypher's sealed-bag brand.

Price, 5 lbs. 25c; 12 lbs. 50c; 50 lbs. \$1.75; 100 lbs. \$3.25. Write for quantity price.

SALT CAT (FOR PIGEONS).

This preparation possesses aromatic and tonic properties of such roots, herbs and seeds as gentian, anise, caraway, cummin and coriander; also bone, crushed oyster shell, granulated charcoal, crushed limestone, rock salt, sulphate of iron, etc. It aids digestion, invigorates the system and promotes good health. It is put up in brick form, which keeps the birds busy picking at it, and prevents waste. Crumble the Salt Cat for young birds.

Prices: Per brick, 30c. If wanted by mail, add 15c per brick for postage.

IMPORTANT NOTICE! Poultry Raisers, combine your orders with your neighbor and order in 10 or 20 sk lots and we'll give you benefit of wholesale prices. Write us, stating quantity you want.

CONKEY'S POULTRY & STOCK REMEDIES

We handle a complete line of these celebrated remedies which have built their reputation upon the scientific basis of one remedy for each disease.

A "Cure All" is not made by the Conkey Company. Each remedy is intended to serve one special purpose and serve it well. These goods are absolutely guaranteed and we offer them to you on this basis: If they fail to satisfy you in any particular, your money will be refunded to you cheerfully.

Limited space will not permit descriptions of each of these remarkable remedies, but we will gladly mail Conkey's 80-page descriptive book (price 50c) free to you if interested.



Don't Worry!
Conkey Will Cure Me.



CONKEY'S POULTRY REMEDIES—

- Roup Remedy.—This is the best known remedy for roup. Price, 25c, 50c and \$1.00, postpaid
- Lice Powder.—The most effective lice powder for body lice ever made. It kills them on the spot. Liberal samples for 4c in stamps. Prices: 8-oz. pkg. 10c or 15c, postpaid; 15-oz. 25c or 40c, postpaid; 48-oz. 50c; express extra.
- Lice Liquid.—A powerful liquid that will destroy the thousands of red mites that live in the cracks and crevices of the house and nests in the day and swarm the fowls' bodies at night. You can't reach them with a powder. 1 qt. 35c; 2 qts. 60c; 1 gal. \$1.00; express extra.
- Head Lice Ointment.—Save your little chicks from the ravages of the deadly head lice. Absolutely harmless to the little chicks. Easy to apply. 10c and 25c, postpaid
- Conkey's Laying Tonic.—This actually makes hens lay without harming them. There is not one particle of filler in this tonic. It means vigor in your fowls, which is the greatest egg-producer known. 1½ lbs. 25c; 3½ lbs. 50c; 7 lbs. \$1.00; 25 lbs., pail \$3.00; express extra.
- White Diarrhoea Remedy. 50c postpaid
- Bronchitis Remedy. 50c postpaid
- Blackhead Remedy. 50c postpaid
- Cholera Remedy. 25c and 50c postpaid
- Gape Remedy. 50c, or 60c postpaid
- Chicken Pox Remedy. 50c, or 55c postpaid
- Limber Neck Remedy. 50c, or 55c postpaid
- Scaly Leg Remedy. 50c, or 55c postpaid
- Rheumatic Remedy. 50c, or 55c postpaid
- Healing Salve. 25c postpaid
- Poultry Laxative. 25c postpaid
- Poultry Tonic. 30c postpaid

CONKEY'S STOCK REMEDIES—

- Stock Vigor.—For horses, cows, sheep and hogs. 25c, 50c and \$1.00 pkgs.; pails \$3.50
- Healing Powder.—For gall sores or wounds. 50c postpaid (sample free)
- Worm Powder. 50c postpaid
- Hoof Remedy.—The very best. Pint 50c; quart 75c; ½-gallon \$1.25; gallon \$2.00

- Dip and Disinfectant.—Best sheep dip made. ½-gallon 75c; gallon \$1.25; 5 gallons \$5.00
- Horse Tonic.—For worn out horses. \$2.00
- Fever Remedy.—Distemper or epizootic. Postpaid \$1.00
- Absorbent.—For spavins, etc. \$1.00
- Pain Lotion.—For swellings, etc. 50c
- Colic Remedy.—Just a few drops on the tongue; effective. 50c; postpaid 55c
- Heave Remedy. \$1.00; postpaid \$1.10
- Nox-i-cide.—Best disinfectant. Pint 35c; quart 60c; ½-gallon 80c; gallon \$1.50

CONKEY'S DOG REMEDIES—

Your dog is your best friend and is entitled to kind treatment and good care. For the ailments to which they are subject you will find nothing better than Conkey's Dog Remedies. They have been thoroughly tested, and are strongly endorsed by dog owners throughout the country. Guaranteed to satisfy you fully, or your money cheerfully refunded.

- Mange Remedy.—An absolute cure. Price 50c
- Distemper Remedy.—This is an excellent remedy for this terrible disease. Price 50c; 60c postpaid
- Dog Tonic. Price 50c, or 65c, express paid
- Worm Drops.—Absolutely safe. Price 50c, or 65c, express paid
- Nox-i-cide is a valuable disinfectant and germicide for the dog owner. Prices: 1 pint 35c; 1 quart 60c; 2 quarts 90c; 1 gallon \$1.50.

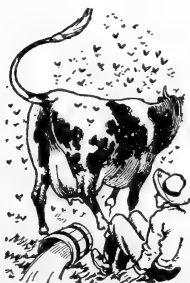
CONKEY'S SPECIALTIES—

- Healing Salve. 25c and 50c postpaid
- Ant Chaser.—Non-poisonous and harmless to children and animals. Price 25c a box
- Insect Killer.—Will destroy insects on bushes, plants and shrubs. Price 25c
- Bug & Moth Killer.—Will not stain anything. A sure and perfect insecticide. Price: 7 oz. 25c; 1 pt. 50c
- Pino.—This is a perfect disinfectant for household use without the disagreeable odor. Price: 7 oz. 25c; 1 pt. 50c; qt. 75c; gal. \$1.50

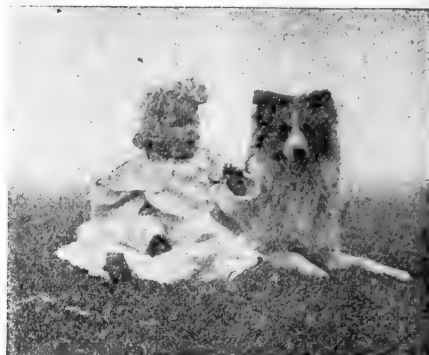
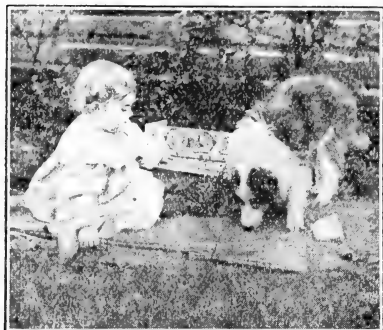
CONKEY'S FLY KNOCKER

Means peace to your stock and money in your pocket. It kills every fly it hits and drives the others away. The animals cannot fight flies and do their best for you. It does not harm the coat. It does not taint the milk. It allows the animal to give you the best from its food and rest. The horseman, the dairyman, the horseshoer, and all who have to deal with animals, claim that they are saving money by its use. Ask for special folder on this product; it will interest you. Prices, 1 qt. 35c; 2 qts. 60c; 1 gal. \$1.00, express extra.

Guaranteed to do the work claimed and satisfy you or your money back—every cent of it.



SCOTCH COLLIES—PURE-BRED, PEDIGREED.



Buy a puppy to amuse and protect the "little one."

The Scotch Collie makes one of the best farm and home dogs, as they possess great intelligence, are easily taught, are quiet, tend to their own business and are faithful watch dogs. They are also handsome in appearance and make the most fashionable canine companions.

We can supply sable and white and black, tan and white. The latter is always preferred by stockmen.

Our puppies are from the best imported and American bred stock, and farm-raised, hardy and healthy.

We believe it is best for every one to buy a puppy. You can bring them up to suit your own ideas and ways. They are more faithful and generally give better satisfaction. When ordering, state for what purpose you wish the puppy and preference of color, and we are sure our selection will please you.

PRICE OF THOROUGHbred PUPPIES TWO TO THREE MONTHS OLD.

To bring the price within the reach of everybody, we make two or three selections in each litter, according to standard of points, color, markings, etc. None but choice pups shipped. Our prices are reasonable for such high breeding.

DOG PUPS, \$15.00; extra choice show pups, \$20.00 to \$25.00.

MATED PAIRS for breeding, \$25.00 to \$40.00; **Bitch Pups**, \$10.00 to \$15.00 and up.

SPAYED BITCH PUPS, \$12.50. Many people prefer these to a dog, for they are always at home and ready for duty.

We guarantee safe delivery any distance. Advice of shipping is sent by mail; also full pedigree of pups on Kennel Club blanks for registration.

THOROUGHbred POULTRY, AND EGGS

ALL EGGS PACKED IN PATENT EGG CARRIERS THAT INSURE SAFE DELIVERY

Raise thoroughbreds; it costs no more (except to start), and you can always find a market for your surplus at fancy prices. Anyway, they are more satisfactory and much more profitable than "scrubs."

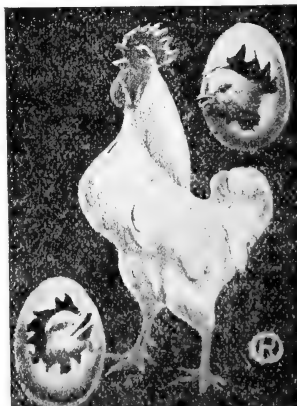
Try them and you'll never go back to common stock.

We are in a position to supply you with most any breed of poultry or eggs. We know good stock and those who keep it, and can probably save you money. Write for prices in quantity or for stock not listed below. Exhibition birds come higher. Write.

NOTE.—Don't expect eggs or stock by return express or freight, for it takes several days, sometimes to get them in from the farm. We guarantee safe delivery of eggs or birds to any express office.

Prices of Stock and Eggs

Prices—White, Buff or Brown Leghorns, Black Minorcas, eggs, \$2.00 to \$2.50 per setting. Males, \$3.00 to \$5.00; females, \$2.00 to \$2.50 each. White, Buff or Barred Plymouth Rocks, White or Silver Laced Wyandotte, Rhode Island Reds, Buff Orpingtons, Pekin Ducks, eggs, \$2.00 to \$3.00 per setting. Males, \$3.00 to \$7.00; females, \$2.00 to \$3.00 each.



NOTE.—Eggs or Stock from Registered Exhibition Birds Matter for Correspondence—Write.

We'll send you any priced stock you want. Remember, Quality makes the price. Breeders in the vicinity of Portland are requested to list their surplus birds and eggs with us.

GOLD FISH, GLOBES, FOOD, ETC.

An aquarium is a beautiful ornament. It suits everywhere, parlor, library, dining and sitting room, and may indeed be introduced in the apartments of the sick. The bright, active Gold Fish are very interesting, a perpetual source of amusement for both old and young folks. Children are always delighted with them. The care of Gold Fish is very simple. A little prepared Fish Food and change of water is all that is necessary.

The fish we offer are Oregon raised, acclimated and very hardy.

PRICES—Fancy Fan Tail, 25c to \$1.00 each; specimens, \$1.50 to \$2.50 each.

COMMON GOLD FISH.—Small 25c each; medium 50c; large 75c; extra large 4 to 5 inches \$1.00 each.

Outside shipments by express only and 10c extra is charged for a shipping bucket which will hold 1 to 6 fish.

FISH FOOD, best imported wafer, large box, enough food for four fish for six months, 25c postpaid. Directions for feeding and care on each box.

FISH GLOBES, Hanging, with brass chain, each, $\frac{1}{2}$ -gal., 60c; $\frac{3}{4}$ -gal., 75c; 1-gal., \$1.00; $1\frac{1}{2}$ -gal., \$1.25; without chains 25c less. Standard (like illustration), each, $\frac{1}{2}$ -gal., \$1.25; $\frac{3}{4}$ -gal., \$1.50; 1-gal., \$1.75; $1\frac{1}{2}$ -gal., \$2.00; 2-gal., \$2.50.



CANARY BIRDS.

Note.—Do not compare our prices with the irresponsible bird fakers, who sell for little prices and supply inferior stock and females for males, etc.

AMERICAN BRED.—Healthy, hardy, well-shaped birds, fine singers, all colors. Males, \$2.50 to \$3.00 each. Females, 75c to \$1.00; deep yellow, \$2.00.

HARTZ MOUNTAIN ROLLERS (Imported).—From the Hartz Mountains, Germany. Beautiful and incessant singers, hardy and thrive anywhere. Their cheery song is like sunshine to the soul; their bright plumage, active ways and cheerful dispositions make them the favorites and most popular. Males, \$5.00 each. Females, \$2.00 each.

ST. ANDREASBERG—Imported.—These are world-renowned and the sweetest singers. They are given three to six months' musical training to develop the long trills, flute notes, etc. Males, \$8.00 to \$10.00 each. Females, \$3.00 each.

Note.—Please remember, we offer only high-bred, guaranteed stock, in perfect condition.

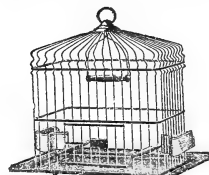
BIRD CAGES, ETC.

BRASS, with guard (which keeps the birds from throwing seeds and dirt out of the cages), $9\frac{1}{2} \times 6\frac{1}{2}$ inches (floor), \$2.25; $10\frac{1}{2} \times 7\frac{1}{2}$ inches, \$3.00; $10\frac{1}{2} \times 9\frac{1}{2}$ inches, \$3.50. Without guard, \$1.65; \$1.85 and \$2.25, respectively.

BRASS, Fancy Mission and Globe shapes, \$4.50 to \$6.50 each.

ENAMELED, with brass guards, low-priced, but good, \$2.00 to \$2.75 each. Without guards, \$1.00 to \$2.00 each.

EXTRAS.—Cups, 10c each; Springs, 10c each; Hooks, 25c to 40c each; Perches, 5c each; Bathing Dishes, 10c to 15c each.



Cage, Without Guard.

BIRD SEEDS AND REMEDIES.

We offer only the "Highest Quality" re-cleaned true, pure seeds. They cost more, of course, but if you expect your birds to do well, and keep in perfect condition, feed our bird foods.

German Bird Seed, mixed, for imported birds

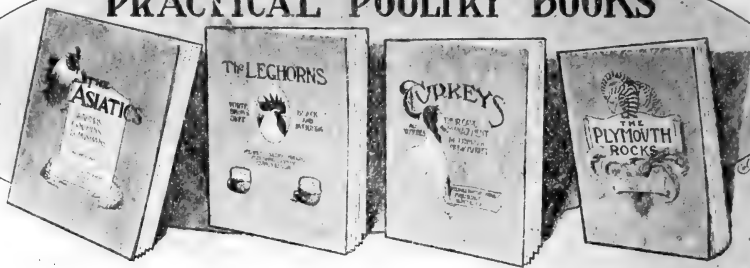
Ordinary Mixed Bird Seed.	150 lb., postpaid 25c
Pure Canary Seed.	100 lb., postpaid 20c
Sweet German Bird Rape.	100 lb., postpaid 20c
Re-cleaned Hemp.	150 lb., postpaid 25c
Sliver Washed Bird Sand	100 lb., postpaid 20c
Cuttle Bone.	2 for 5c
Crystal Grit—very fine.	10c lb., postpaid 25c
Geisler's Canary Health Food.	150 pkg., postpaid 25c
Geisler's Song and Moulting Food.	150 lb., postpaid 25c
Geisler's Bird Biscuit—very valuable food.	10c, postpaid 20c
Geisler's Medicated Biscuit, for sickly birds.	15c, postpaid 25c

BIRD TONICS, ETC.

Geisler's Song Restorer.	25c bot., postpaid 35c
Geisler's Digestive Trouble.	25c bot., postpaid 35c
Geisler's Cold Remedy.	25c bot., postpaid 35c
Geisler's General Tonic.	25c bot., postpaid 35c
Geisler's Mite Exterminator—(Liquid). Use in bath.	10c bottle
Mite Powder.	10c pkg., postpaid 15c
Geisler's Parrot Biscuits.	25c pkg., postpaid 35c
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REFERENCE TABLES

Quantity of Seed Required to Produce a Given Number of Plants and Sow an Acre

	Quantity per acre
Artichoke, 1 oz., to 500 plants.....	6 oz.
Asparagus, 1 oz. to 800 plants.....	1 lb.
Barley.....	2 to 2½ bu.
Beans, dwarf, 1 lb. to 100 ft. of drill.....	1 bu.
Pole, 1 lb. to 100 hills.....	½ bu.
Beet, garden, 1 oz. to 100 ft. drill.....	7 lbs.
Mangel, 1 oz. to 75 ft. of drill.....	5 lbs.
Broccoli, 1 oz. to 2000 plants.....	4 oz.
Brussels Sprouts, 1 oz. to 2000 plants.....	4 oz.
Broom Corn, in drills.....	15 lbs.
Buckwheat.....	½ to 1 bu.
Cabbage, 1 oz. to 2000 plants.....	4 oz.
Carrot, ½ oz. to 100 ft. of drill.....	3 lbs.
Cauliflower, 1 oz. to 3000 plants.....	3 oz.
Celery, 1 oz. to 5000 plants.....	4 oz.
Cheat.....	2 bu.
Chicory.....	4 lbs.
Clover, Alsike and White.....	6 to 8 lbs.
Alfalfa.....	15 to 20 lbs.
Crimson Trefoil.....	10 to 15 lbs.
Red.....	10 to 12 lbs.
Collards, 1 oz. to 2000 plants.....	4 oz.
Corn-Wheat.....	2 bu.
Corn, Pop (shelled).....	8 to 10 lbs.
Sweet or Field, hills.....	12 to 20 lbs.
For sowing, drills.....	2 bu.
Cress, ¾ oz. to 100 ft. of drill.....	1 lb.
Cucumber, 1 oz. to 100 hills.....	2 to 3 lbs.
Egg Plant, 1 oz. to 2000 plants.....	4 oz.
Endive, ¼ oz. to 100 ft. of drill.....	4 lbs.
Flax, broadcast.....	¾ bu.
Grass, Blue, Kentucky.....	2 bu.
Meadow Fescue.....	1 bu.
Mixed Lawn.....	5 to 6 bu.
Red Top.....	2 bu.
Red Top, Solid Seed.....	12 to 15 lbs.
Timothy.....	12 to 15 lbs.

	Quantity per acre
Grass—Orchard, Perennial, Rye, Red Top, Fowl Meadow, Wood Meadow.....	2 bu.
Horse Radish Roots.....	10,000 to 15,000
Kale, 1 oz. to 5000 plants.....	4 oz.
Kaffir Corn, in drills.....	6 to 8 lbs.
Kohl Rabi, 1 oz. to 100 ft. of drill.....	4 lbs.
Leek, 1 oz. to 100 ft. of drill.....	4 lbs.
Lettuce, 1 oz. to 150 ft. of drill.....	3 lbs.
Millet, for seed, 12 lbs., for hay.....	20 lbs.
Melon, Musk, 2 oz. to 100 hills.....	2 to 3 lbs.
Water, 4 oz. to 100 hills.....	2 to 4 lbs.
Nasturtium, 1 oz. to 20 ft. of drill.....	
Oats.....	2 to 3 bu.
Okra, 1 oz. to 100 ft. of drill.....	8 lbs.
Onion Seed, for sets.....	60 to 85 lbs.
1 oz. to 150 ft. of drill.....	4 to 5 lbs.
Onion Sets, 1 qt. to 40 ft. of drill.....	8 bu.
Parasple, 1 oz. to 150 ft. of drill.....	3 lbs.
Parsley, 1 oz. to 150 ft. of drill.....	3 lbs.
Peas, Field.....	2 bu.
Garden, 1 lb. to 100 ft. of drill.....	1 to 2 bu.
Pepper, 1 oz. to 1000 plants.....	
Pumpkin, ½ lb. to 100 hills.....	3 to 4 lbs.
Radish, 1 oz. to 100 ft. of drill.....	10 lbs.
Rape.....	3 to 5 lbs.
Rye.....	1½ to 2 bu.
Salsify, 1 oz. to 100 ft. of drill.....	6 lbs.
Speltz.....	100 lbs.
Spinach, 1 oz. to 100 ft. of drill.....	8 lbs.
Sugar Cane, in drills.....	10 lbs.
Sunflower.....	8 lbs.
Squash, Summer, 4 oz. to 100 hills.....	3 lbs.
Winter, 8 oz. to 100 hills.....	4 lbs.
Tomato, 1 oz. to 2000 plants.....	4 oz.
Tobacco, 1 oz. to 4000 plants.....	3 oz.
Turnip, 1 oz. to 150 ft. of drill.....	2 to 3 lbs.
Vetches.....	2 to 2½ bu.
With grain.....	1 bu. each
Wheat.....	1½ to 2 bu.

WEIGHT OF VARIOUS SEEDS

	Per bushel
Barley.....	48 lbs.
Beans.....	60 lbs.
Buckwheat.....	48 lbs.
Cheat.....	34 lbs.
Clover Seed.....	60 lbs.
Corn-Wheat.....	60 lbs.
Corn, Shelled.....	56 lbs.
Charcoal.....	22 lbs.
Flax Seed.....	56 lbs.
Grass Seeds (unless otherwise stated).....	14 lbs.
Lawn Grass.....	20 lbs.
Meadow Fescue.....	24 lbs.
Millet.....	48 lbs.
Oats.....	32 lbs.

	Per bushel
Onion Sets.....	32 lbs.
Peach Pits.....	48 lbs.
Peas, Smooth.....	60 lbs.
Peas, Wrinkled.....	56 lbs.
Perennial Rye.....	20 lbs.
Potatoes.....	60 lbs.
Rape.....	60 lbs.
Rye.....	56 lbs.
Red Top.....	14 lbs.
Solid Seed.....	42 lbs.
Speltz.....	40 lbs.
Timothy Seed.....	45 lbs.
Vetches.....	60 lbs.
Wheat.....	60 lbs.

SUITABLE DISTANCE FOR PLANTING FRUITS

Note.—In planting in the home garden for hand cultivation, you can set plants or trees closer.

Apples, Standard.....	20 to 30 feet	Grapes.....	6 by 8 feet
Apples, Dwarf.....	8 to 10 feet	Currants.....	4 by 4 feet
Pears, Standard.....	18 to 20 feet	Gooseberries.....	5 by 6 feet
Pears, Dwarf.....	10 feet	Raspberries.....	3 by 6 feet
Peaches and Apricots.....	16 to 18 feet	Trailing Blackberries, Logans, etc.....	8 by 8 feet
Cherries, Sweet.....	18 to 20 feet	Other Blackberries.....	2½ by 8 feet
Cherries, Sour.....	15 to 18 feet	Strawberries, rows.....	2 by 3½ feet
Plums and Prunes.....	18 to 20 feet	Strawberries, in beds.....	1½ by 2 feet
Quinces.....	10 to 12 feet	Asparagus, in beds.....	1 by 1½ feet
		Asparagus, in field.....	1 by 4 feet

NUMBER OF TREES OR PLANTS ON AN ACRE

24 by 18 inches.....	15,520	6 feet each way.....	1,210
2 feet each way.....	10,890	8 feet each way.....	680
2 by 3½ feet.....	6,223	10 feet each way.....	430
3 feet each way.....	4,840	12 feet each way.....	302
3 by 1 foot.....	14,520	15 feet each way.....	194
3 by 4 feet.....	3,630	18 feet each way.....	170
3 by 6 feet.....	2,420	18 feet each way.....	135
4 feet each way.....	2,723	20 feet each way.....	110
4 by 1 foot.....	10,890	25 feet each way.....	70
4 by 2 feet.....	5,445	30 feet each way.....	48
5 by 6 feet.....	1,452	40 feet each way.....	28

Rule.—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet, for each plant or hill, which, divided into the number of square feet in an acre (48,560), will give the number of plants or trees to the acre.



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